

; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-907-613-189

Alignment Scores:

Pred. No.: 0 Length: 2917
 Score: 585.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 Ds: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-613-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
 Db 1030 ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCCTAGGGGGTGGCAATATGGCA 1089
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpIle 40
 Db 1090 GAGACCCACAAAGCCATGATCTGCAACTCAATCCAGTGAGAACTGCACCTGGACAAATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
 Db 1150 GAAGACCCAGAAAACAAAGCAATCATGAAATTAATCTTCCATATGTCAGCTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAACCTGTGAAGTGAAGCAATTAAGTCTTTCGCGGAACCTCCAGCAATGGGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGGCAAGTCTGCAGTAAACAGCAATATGCTCTGTTATTTGAATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGAGCTTTCAAATAGTACTGACTCAGCAAGAAATCAAGAACTGCTTTTGCTTCTTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTTCTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
 Db 1450 GGATCCTTCCACAGCCCAATATACCAAGCCGATCTCTGAGCTGGCTTATTTGTGTGG 1509
 QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 Db 1510 CACATACAAAGTGAGAGAAAGATACAAAGATAAACTAACTTCAAGAGATTTTCTTAGAA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGCAACAGTGCAGAAATTTGATTTCTTCCATCTATATGATGGCCCTCCACCAACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
 Db 1630 GGCCTGATGGACAAAGTCTGTGGCCGTGTGACTCCCACTTCGATCGTCAATCAAACTCT 1689
 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 Db 1690 CTGACTGT 1749
 QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 Db 1750 ACCTCAATTTATGCGAAGAAACATCAACTACATCTTAACTTGTCTTCTGCTTCTGCTTCT 1809
 QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280

Db 1810 AGAGTTATTATAAGCAAAATCTCTACAGAGCTTTTAACTCTAATGGGAATAACTTGCAG 1869
 QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 Db 1870 CTTAAAGAGCCCACTTGCAGACCAAAATATCAATGTTGGAAATTTTCTGCTCCCTTT 1929
 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
 Db 1930 AATGGATGTGTACCAATCAGAAAGGTAGAGATCAGTCAATTAATCTACCAATATAATC 1989
 QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGluIleIle 340
 Db 1990 ACCTTTCTGCAATCTCAACTCTGAGTGAATCCCTCAGAACCAACTCCAGATTAAT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 Db 2050 GTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATAACAGAGATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 Db 2110 GTAATACAAAGTCAAAATGCACTGGCAATATATACACAGCATGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 Db 2170 AATTCATTTGAAAGACATATCTTGAATCACAATATATATGATTTGAACCAACTCTT 2229
 QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTTGATACCTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 Db 2290 AGAGCTCTCCCACTCTGACTTTTGCATCTCCACCTACGACCTAATCAAGAGTGGATGT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 AGTCAGATGAACCTGTGAAGTGTATCCCTTATTTGGACACTATGGAGATTCAGATTT 2409
 QY 461 AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuIle 480
 Db 2410 AATGCTTTAAATCTTGAGAGATATGAGCTCTGTGTATCTGCACTGTAAGTTTGTATA 2469
 QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATAGCAGTGCACCACTGCTGCTCAATCAAGTGTGTCTCCAGAACCAACGA 2529
 QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTTCAATTAATGGAACAGATTCATATAGGACCCATTCGTCGTAAGAGG 2589
 QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAAGTGCAGTGGCAATTCAGGATTTCCAGCATGAAACACATCGGAAGAACTCCA 2649
 QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACCAAGCTTTCAACAGTGTGCATCTGTTTCTTCTTCTGATGTTCTAGCTCTGAAATGGTG 2709
 QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 Db 2710 ACTGTAGCGACATCACTGAGGCAATTTGTAATCAACGGGCGAGACTACAAATACCAG 2769
 QY 581 LysLeuGlnAsnTyr 585
 Db 2770 AAGCTGCAGAACTAT 2784

RESULT 12

US-09-907-942-189
 ; Sequence 189, Application US/0907942
 ; Publication NO. US20030027146A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi

APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L. J.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mathers, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,942
PRIORITY FILING DATE: 2002-01-22
PRIORITY APPLICATION NUMBER: PCT/US00/04414
PRIORITY FILING DATE: 2000-02-22
PRIORITY APPLICATION NUMBER: US 60/143,048
PRIORITY FILING DATE: 1999-07-07
PRIORITY APPLICATION NUMBER: US 60/145,698
PRIORITY FILING DATE: 1999-07-26
PRIORITY APPLICATION NUMBER: US 60/146,222
PRIORITY FILING DATE: 1999-07-28
PRIORITY APPLICATION NUMBER: PCT/US99/20594
PRIORITY FILING DATE: 1999-09-08
PRIORITY APPLICATION NUMBER: PCT/US99/20944
PRIORITY FILING DATE: 1999-09-13
PRIORITY APPLICATION NUMBER: PCT/US99/21090
PRIORITY FILING DATE: 1999-09-15
PRIORITY APPLICATION NUMBER: PCT/US99/21547
PRIORITY FILING DATE: 1999-09-15
PRIORITY APPLICATION NUMBER: PCT/US99/23089
PRIORITY FILING DATE: 1999-10-05
PRIORITY APPLICATION NUMBER: PCT/US99/28214
PRIORITY FILING DATE: 1999-11-29
PRIORITY APPLICATION NUMBER: PCT/US99/28313
PRIORITY FILING DATE: 1999-11-30
PRIORITY APPLICATION NUMBER: PCT/US99/28564
PRIORITY FILING DATE: 1999-12-02
PRIORITY APPLICATION NUMBER: PCT/US99/28565
PRIORITY FILING DATE: 1999-12-02
PRIORITY APPLICATION NUMBER: PCT/US99/30095
PRIORITY FILING DATE: 1999-12-16
PRIORITY APPLICATION NUMBER: PCT/US99/30911
PRIORITY FILING DATE: 1999-12-20
PRIORITY APPLICATION NUMBER: PCT/US99/30999
PRIORITY FILING DATE: 1999-12-20
PRIORITY APPLICATION NUMBER: PCT/US00/00219
PRIORITY FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-942-189

Alignment Scores:
Pred. No.: 0
Score: 585.00
Percent Similarity: 100.00%

Length: 2917
Matches: 585
Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0
US-09-864-711-14 (1-585) x US-09-907-942-189 (1-2917)
QY 1 MetAlaGluAlaGluGlyAAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGGAGGCTGAAGGCAATGCAAGCTGCAGTCAGTCAGTGGGGGGTGCCTATATGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCCAAGCCATGATCTCTGCACTCAATCCAGTGAGACTGCACTGCACTGCAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCAAGAAACCAAAAGCATCAGAAATATCTTTCTATGTCAGCTTGCATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAGAAACATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGCGAAGCTGTCAGTAAACAGCATGTCTCTGATTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAGAAAGACTGTCTTTGTCTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCTAAACATCTCTATTCAAACTGTGGCGGTACTTGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
Db 1450 GGATCCTTACCAGCCCAATTTACCCAAAGCGCATCTCTGAGCTGGCTTATTGTGTGG 1509
QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAGTGGAGAAAGATTACAGATAAACTTCAAGAGAGATTTCCTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTCAAAATTTGATTTCTTGCCATCTATGATGCGCCCTCCACCACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
Db 1630 GGCCTGATTGGACAAAGTCTGTGGCGGTGACTCCCACTTCGAATCGTCATCAAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTGCTGTGTCTACAGATTATGCCAATTTCTACCGGGGATTTCTGCTTCTCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCAGAAACATCAACACTACATCTTTAACTTCTCTCTCTGACAGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAAGCAATCTCTACAGAGCTTTTAACTCTAATGGGATTAACCTGCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCCAACTTGCAGACCAAAATTAATAATGTTGTGAATTTCTGCTCCCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrThrAsnIleIle 320
Db 1930 AATGATGTGTACATCAGAAAGTAGAAGATCAGTCAATTTACTTTACCAATATTAATC 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTGCATCCTCAACTTCTGAAGTGTATCCCGGTGAGAAACCACTCCAGATTATT 2049

Qy 341 ValIleCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAsp 360
Db 2050 GTGAAGTGAATGGGACATAATCTACAGTGAGATAATACATAACAGAGATGAT 2109
Qy 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTRATACAAAGTCAAAATGCACTGGGCAAAATAACACAGCATGCTCTTTTGAATCC 2169
Qy 381 AsnSerPheGluIleThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTATACCTGATCAATCACTATATATGAGATTGAACCAACTCTT 2229
Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTGTTCAAGTGTAGTCGACACCTCAGATCCAAATTTGTTGTTCTTGATACCTGT 2289
Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCCTCTCCACCTCTGACTTTCATCTCCAACTACACCTATCAAGATGGATGT 2349
Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGATGAACCTTGTAGGTGTATCCCTTATTTGGACACTATGGAGATTCAGTTT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrIleuGlnCysLysValLeuIle 480
Db 2410 AATGCCCTTAAATCTTTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGTATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGACCAACCACTCTCGCTGCAATCAAGTGTGTCTCCAGAACCAACGA 2529
Qy 501 AspIleSerGertyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAAATGAAACAGATTCATCATAGGACCCATTCGTCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGAAGTGAATTCAGGATTTTCAGATGAAACATGCGGAGGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAGCCTTCAACAGTGTGATCTGTTTCTTCATCTAGCTCTGATGTGGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGCAATCAAGTGGAGCATTTTGTAAATCAACGGGAGACTACAATACCAG 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 13
US-09-904-859-189
; Sequence 189, Application US/09904859
; Publication No. US20030036060A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Askenzi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: KJavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,859
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
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; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-859-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-904-859-189 (1-2917)

Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyAlaAsnMetAla 20
Db 1030 ATGGCGGAGGCTGAAGCAATGCAGCTCAGTCTAGGGGGTGCATATGCA 1089
Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40

Db 1090 GAGCCACAAAGCCATGCTCCGCACTCAATCCAGTGAGAACTGCACCTGGCAATA 1149
 Qy 41 GluArgProGluAsnLysSerIleArgIlePheSerTyrValGlnLeuAspProAsp 60
 Db 1150 GAAGACCAAGAAACAAAGACATCAGATTAATCTTTCTATGTCAGCTTGATCCAGAT 1209
 Qy 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
 Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGGCAAGTCGCAAGTAAACAGCACTATGTCCTGTATTTGAAATCATCATCCAGTACA 1329
 Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGACGTTTCAAAATAGTACTGACTCAGCAAGAAATTCAAAGAACTGTCTTTGTCTTCTAC 1389
 Qy 121 TyrPhePheSerProAsnLysSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTTCTCTCTCAATCTCTTATTCCAACTGTGGCGGTTACCTGGATACCTTGGAA 1449
 Qy 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
 Db 1450 GGATCTTCCACAGCCCAATTAACCAAGCCGATCTCTGAGCTGGCTTATTGTGTGG 1509
 Qy 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPhelLysGluLeuPheLeuGlu 180
 Db 1510 CACATACAGTGGGAAGAAATTAAGATAAACTAAACTTCAAGAGATTTTCTTAGAA 1569
 Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGACAAACAGTGCATTTGATTTTCTTGCCATCTATGATGGCCCTCCACCACTCT 1629
 Qy 201 GlyLeuIleGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
 Db 1630 GGCTGTATGGACAAGTCTGTGGCGGTGACTCCCACTTCGAATCGTCATCAAACTCT 1689
 Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 Db 1690 CTGACTGTGTGTGTCTCAGATTAAGCAATTTCTACCGGGGATTTCTGTCTCTTAC 1749
 Qy 241 ThrSerIleTyrAlaGluAsnLysAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 Db 1750 ACCTCAATTTATGAGAAACATCAACACTACATCTTTAACTTGTCTCTCTGACAGATG 1809
 Qy 261 ArgValIleLysLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
 Db 1810 AGAGTTATTAAGCAATCTTACCTAGAGCTTTTAACTCTAATGGGAATAACTTGGCA 1869
 Qy 281 LeuLysAspProThrCysA:gpToLysLeuSerAsnValValGluPheSerValProLeu 300
 Db 1870 CTAAGACCACTTCAGACCAAAATTAATCAATGTTGTGGAATTTCTGTCTCTCT 1929
 Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle 320
 Db 1930 AATGGATGTGTCAATCAGAAAGGTAGAAGTCAAGTCAATTAATTAACCAATAAATC 1989
 Qy 321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 Db 1990 ACCTTTCTGCATCTCTCACTTCTGAAGTATCACCCTGAGAAACACTCCAGATTAAT 2049
 Qy 341 VallysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 Db 2050 GTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATAACAGAAAGTAT 2109
 Qy 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 Db 2110 GTATACAAAGTCAAAATGCACTGGGCAATATTAACACAGCATGGCTCTTTTGTATCC 2169
 Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400

Db 2170 AATTCATTTGAAAGACTATACTTGAATCACCATATATATGTGGATTGGAACCAACTCTT 2229
 Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 Db 2230 TTTGTCAAGTTAGTCTGCACACTCAGATCCAAATTTGGTGTGTCTTGTATACCTGT 2289
 Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 Db 2290 AGACCTCTCCACCTCTGACTTTTGCATCTCCACCTACACCTATATCAAGATGGATGT 2349
 Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 AGTCGAGATGAACCTTGAAGTGTATCCCTTATTTGGACACTATGGAGATTCAGTTT 2409
 Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
 Db 2410 AATCCCTTTAAATTTCTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGTATA 2469
 Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGTAGTAGTGCACCACTGCTGCTGCAATCAATCAAGTTGTCTCTCCAGAAGCAACGA 2529
 Qy 501 AspIleSerSerTyrLysThrLysThrAspSerIleIleGlyProfileArgLeuLysArg 520
 Db 2530 GACATTTCTTCAATAAATGAAAAACAGATTTCCATCATAGACCCTTCTCTGAAAAGG 2589
 Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAGTGCAGTGGCAATTCAGGATTTTCAGATGAAACACATCGCGAAGAACTCCA 2649
 Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACCAAGCTTTCAACAGTGTGCATCTCTTTCTTCATGGTTCTAGCTCTGAATGTGGTG 2709
 Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 Db 2710 ACTGTAGCGAATTCAGAGTGGCAATTTGTAAATCAACGGGAGACTACAAATACCAAG 2769
 Qy 581 LysLeuGlnAsnTyr 585
 Db 2770 AAGCTGCAGAACTAT 2784

RESULT 14

US-09-909-204-189
 ; Sequence 189, Application US/09909204
 ; Publication No. US20030036061A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kijavini, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas P.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tamas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/909,204
CURRENT FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-909-204-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-909-204-189 (1-2917)

QY 1 MetalAlaGluAlaGluGlyAlaSerCysThrValSerLeuGlyGlyAlaSerMetAla 20
DB 1030 ATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGGCAATATGCA 1089

QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
DB 1090 GAGACCCCAAGCCATGATCTGCACTCAATCCAGTGAAGACTGCACCTGACCAATA 1149

QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTrpValGlnLeuAspProAsp 60
DB 1150 GAAAGACAGAAAACAAAGCATCAGAAATATCTTTCTCTATGTCAGCTGATCCAGAT 1209

QY 61 GlySerCysGluSerGluAsnIleLysValPheSerGlyThrSerAsnGlyProLeu 80
DB 1210 GGAAGCTGTGAAGTGAAACAAATTAAGTCTTTGACGAACTCCAGCAATGGGCCCTCTG 1269

QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100

DB 1270 CTAGGCAAGTCTGCAGTAAACAGCACTATGTTCTCTATTGAAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaAspIleGlnArgThrValPheValPheTyr 120
DB 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATCAAGAACTGCTTTGTTCTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
DB 1390 TACTTCTCTCTCTAATCATCTCTATTCCAACTGTGGCGGTTACCTGGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
DB 1450 GGAATCTTCAACAGCCCAATTAACCAAGCCCACTGAGCTGGCTTATTTGTGTGG 1509
QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
DB 1510 CACATCAAGTGGAGAAAGATTAACAGATAAACTAAACTTCAAGAGAGATTTTCTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
DB 1570 ATGACAAACAGTGCATAATTTGATTTTCTGGCCATCTGATGAGCTGGCTTATTTGTGTGG 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
DB 1630 GGCCTGATTGACAAGTCTGTGGCGGTGACTCCCACTTCGAATCGTCAATCAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
DB 1690 CTGACTGTGCGTGTCTACAGATTATGCCAATCTTACCAGGAGATTTCTGTTCTCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
DB 1750 ACTCAATTTATGCAAGAAACATCAACACTACATCTTTAACTTGTCTTCTGACAGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
DB 1810 AGAGTTATTATTAAGCAATCTCTAGAGCTTTTAACTCTTAATGGGAATACTTGCAG 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
DB 1870 CTAAAGACCCCACTTGCAGACCAAAATTAATCAATGTTGTGGAAATTTCTGCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle 320
DB 1930 AATGGATGTGTACAAATCAGAAAGTGAAGATCAGTCAATATTCTACCAATATAATC 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
DB 1990 ACCTTTCTGCACTCTCACTTCTGAGTGAATCAACCGTCAAGAACTCCAGATATT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
DB 2050 GTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATAACAGAGATGT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
DB 2110 GTAATACAAAGTCAAAATGCACTGGCAATATTAACACAGCATGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
DB 2170 AATTCAATTTGAAAGACATATATTGAAATCACATATTATGTGGATTGAAACCAACTCT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
DB 2230 TTTGTTCAGTTAGTCTGCACCTCAGATCCAAATTTGGGTGTGTTCTTGAATCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
DB 2290 AGAGCTCTCCCACTCTGACTTTGCACTCCAACTACGACCTAAATCAAGAGTGGATGT 2349
QY 441 SerArgAspGluThrCysGlyValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
DB 2350 AGTCGAGATGAATTTGTAAGGTGTATCCCTTATTTGGACACTATGGAGATTCAGTTT 2409

QY 461 AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuile 480
Db 2410 AATGCCCTTTAAATTTCTTGAGAAAGTATGAGCTCTGTGTATCTGCAGTGAAGTTTGATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGACCAACAGTCTGCTGCAATCAAGTTGTGTCTCAGAAAGCAAGA 2529
QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAAATGGAACAGATTCATCAGGACCCATCGTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluLutThrPro 540
Db 2590 GATCGAAGTGCAGTGGCAATTCAGATTTAGCATGAACACATCGCGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACGAGCCTTCAACAGTGTGCATCTGTTTCTCATGGTTCTAGCTCTGAATGTGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCAGCAATCACAGTGGCAATTTGTAATCAACGGGCAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGTCGCAACTAT 2784

RESULT 15

US-09-904-820-189
; Sequence 189, Application US/09904820
; Publication No. US20030036094A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavir, Ivar J.
; APPLICANT: Mathier, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US/09/904,820
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-904-820-189 (1-2917)

QY 1 MetalAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyValAsnMetAla 20
Db 1030 ATGGCGAGGCTGAAGGCAATGCAAGCTGCAGTCTAGGGGGTGCCAAATATGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrThrile 40
Db 1090 GAGATCCCAAGCCATGATCTGCACTCAATCCAGTGAAGTCCAGCTGGCAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIlePheSerTyrValGlnLeuAspProasp 60
Db 1150 GAAGACCAAGAAACAAAGCATCAGATATATCTTTCTATGTCAGCTTGATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAACCAATTAAGTCTTTGAGGAACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGCAAGTCTGCAGTAAACCAAGCATGTGCTCTGATTTGATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAGAAAGTCTCTTTGCTCTTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCCCTAAACATCTCTATTCCAAACTGTGGGGTACCTGGATACCTTGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160

1450 Db |||||CGATCCTTCACCAGCCCAATTAACCAAGCGCATCTGAGCTGGCTTATTGTGTGG1509
161 Qy |||||HisIleGlnValGluIleAspTyrIleValIleLeuAsnPheIleValIlePheLeuGlu180
1510 Db |||||CACATACAGTGGAGAAAGATTACAGATAAACTTAAACTTCAAGAGATTTCCTAGAA1569
181 Qy |||||IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer200
1570 Db |||||ATAGACAAACAGTGCATAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT1629
201 Qy |||||GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer220
1630 Db |||||GGCCTGATTGGCAAGTCTGTGGCGGTGACTCCACCTTCGAATCGTCACTCAAACTCT1689
221 Qy |||||LeuThrValIleValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr240
1690 Db |||||CTGACTGTCTGTGTCTACAGATTATGCCAATTTCTTACCGGGGATTTCCTTCCTTAC1749
241 Qy |||||ThrSerIleTyrAlaGluAsnIleLeuThrThrSerLeuThrCysSerSerAspArgMet260
1750 Db |||||ACCTCAATTTATGCGAAGAAACATCAACACTACATCTTTAACTTGTCTTCTGACAGGATG1809
261 Qy |||||ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln280
1810 Db |||||AGAGTTATTATAGCMAATCTTACCTAGAGGCTTTTAACTTAATGGGATTAACCTTGCAA1869
281 Qy |||||LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu300
1870 Db |||||CTAAAGACCCAACTTGCAGACCAAAATTTATCAATGTTGTGGAATTTCTGTCCCTCTT1929
301 Qy |||||AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle320
1930 Db |||||AATGATGTGGTACATCAGAAAGGTAGAAATCAGTCAATTTACTTACCAATATAATC1989
321 Qy |||||ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle340
1990 Db |||||ACCTTTTCGATCTCTCAACTTCTGAAGTGATCACCGGTCAAGAACTCCAGATTATT2049
341 Qy |||||ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp360
2050 Db |||||GTGAAGTGTGAATGGGACATATTTCTCAGTGGAGATAATATACATACAGAGATGAT2109
361 Qy |||||ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer380
2110 Db |||||GTAATACAAAGTCAAATGCACCTGGGCAATATACACCCAGCATGGCTCTTTTGAATCC2169
381 Qy |||||AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrIleu400
2170 Db |||||AATTCATTTGAAAGACTATCTTGAATCACCATATTATGTGGATTGGAACCAACTCTT2229
401 Qy |||||PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys420
2230 Db |||||TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGTGTTCTTGATACCTGT2289
421 Qy |||||ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys440
2290 Db |||||AGAGCCTCTCCCACTCTGACTTTGTCATCTCAACCTCAGACCTAATCAAGAGTGGATGT2349
441 Qy |||||SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe460
2350 Db |||||AGTCGAGATGAACCTTGTAGGTGTATCCCTTATTGGACACTATGGGAGATCCAGTTT2409
461 Qy |||||AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle480
2410 Db |||||AATGCCTTTAAATCTTGAAGATATGAGTCTGTGTATCTGTGATCTGAGTTAAAGTTTGATA2469
481 Qy |||||CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg500
2470 Db |||||TGTGATAGCAGTGACCACAGTCTCGCTGCAATCAGGTGTGTCTCCAGAGCAACGA2529
501 Qy |||||AspIleSerSerTyrLysThrLysThrAspSerIleIleGlyProIleArgLeuLysArg520

2530 Db |||||GACATTTCTTCATATAAAATGCAAAACAGATTCCATCATAGGACCCATTGCTGAAAAGG2589
521 Qy |||||AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro540
2590 Db |||||GATCGAAGTGCAGTGGCAATTCAGATTTTCAAGATGAAACACATGCGGAGAACTCCA2649
541 Qy |||||AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal560
2650 Db |||||AACCAAGCTTTCAACAGTGTGCATCTGTTTCTTCTCATGGTTCTAGCTCTGAATGTGTG2709
561 Qy |||||ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln580
2710 Db |||||ACTGTAGCCACATACAGTGGGCAATTTGPAATCAACCGGCAGACTACAAATACCAG2769
581 Qy |||||LysLeuGlnAsnTyr585
2770 Db |||||AAGCTGCAGAACTAT2784

Search completed: February 19, 2004, 06:30:21
Job time : 650.196 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 18, 2004, 13:29:41 : Search time 22.9821 Seconds
(without alignments)
1314.116 Million cell updates/sec

Title: US-09-864-711-14
Perfect score: 3664
Sequence: 1 MAEAGNASTVSLGGANMA.....TVRFVNRADYKYLQNY 585

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
- 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3064	100.0	607	4	US-09-907-794A-190
2	3064	100.0	607	4	Sequence 190, App
3	3064	100.0	607	4	Sequence 190, App
4	842	27.5	1290	1	US-09-902-775A-190
5	837	27.3	1785	4	US-08-470-350B-2
6	470.5	15.4	666	4	US-09-341-587-3
7	297.5	9.7	3623	4	US-09-341-587-1
8	293	9.6	1013	2	US-08-866-650-3
9	293	9.6	1013	2	US-09-021-287-3
10	293	9.6	1013	3	US-09-240-473-3
11	289	9.4	713	1	US-08-453-472-6
12	289	9.4	713	1	US-08-038-948-7
13	289	9.4	713	1	US-08-038-948-8
14	289	9.4	713	1	US-08-038-948-10
15	289	9.4	713	1	US-08-453-952-6
16	289	9.4	713	2	US-08-862-903-6
17	288	9.4	591	3	US-08-991-408-4
18	288	9.4	591	4	US-09-432-473-4
19	288	9.4	1013	2	US-08-866-650-5
20	288	9.4	1013	2	US-09-021-287-5
21	288	9.4	1013	3	US-08-991-408-2
22	288	9.4	1013	3	US-09-240-473-5
23	288	9.4	1013	4	US-09-432-473-2
24	288	9.4	1013	4	US-09-285-385C-20
25	284	9.3	1012	4	US-09-285-385C-4
26	283	9.2	1015	4	US-09-285-385C-2
27	282	9.2	415	4	US-09-907-794A-104

28	282	9.2	415	4	US-09-905-125A-104
29	282	9.2	415	4	US-09-902-775A-104
30	281.5	9.2	449	2	US-08-839-008-2
31	281.5	9.2	449	2	US-08-839-008-9
32	279.5	9.1	401	2	US-08-839-008-5
33	279.5	9.1	468	2	US-08-839-008-7
34	279.5	9.1	468	3	US-09-032-523-8
35	279.5	9.1	468	4	US-09-802-633-8
36	279	9.1	415	3	US-09-032-523-2
37	279	9.1	415	4	US-09-802-633-2
38	273.5	8.9	788	1	US-08-572-225-1
39	273.5	8.9	986	4	US-09-285-385C-19
40	272	8.9	730	3	US-08-872-757-2
41	272	8.9	730	4	US-08-850-048A-2
42	266.5	8.7	745	1	US-08-453-472-5
43	266.5	8.7	745	1	US-08-038-948-9
44	266.5	8.7	745	1	US-08-453-952-5
45	266.5	8.7	745	2	US-08-484-993B-43

ALIGNMENTS

RESULT 1

US-09-907-794A-190
Sequence 190, Application US/09907794A
Patent No. 6635468

GENERAL INFORMATION:

- APPLICANT: Genentech, Inc.
- APPLICANT: Ashkenazi, Avi
- APPLICANT: Botstein, David
- APPLICANT: Desnoyers, Luc
- APPLICANT: Eaton, Dan L.
- APPLICANT: Ferrara, Napoleone
- APPLICANT: Filvaroff, Ellen
- APPLICANT: Fong, Sherman
- APPLICANT: Gao, Wei-Qiang
- APPLICANT: Gerber, Hanspeter
- APPLICANT: Gerritsen, Mary E.
- APPLICANT: Goddard, A.
- APPLICANT: Godowski, Paul J.
- APPLICANT: Grimaldi, Christopher J.
- APPLICANT: Gurney, Austin L.
- APPLICANT: Hillan, Kenneth, J.
- APPLICANT: Kljavin, Ivar J.
- APPLICANT: Mather, Jennie P.
- APPLICANT: Pan, James
- APPLICANT: Paoni, Nicholas F.
- APPLICANT: Roy, Margaret Ann
- APPLICANT: Stewart, Timothy A.
- APPLICANT: Tumas, Daniel
- APPLICANT: Williams, P. Mickey
- APPLICANT: Wood, William, I.
- TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same
- FILE REFERENCE: 10466-14
- CURRENT APPLICATION NUMBER: US/09/907,794A
- PRIOR FILING DATE: 2001-07-17
- PRIOR APPLICATION NUMBER: PCT/US00/04414
- PRIOR FILING DATE: 2000-02-22
- PRIOR APPLICATION NUMBER: US 60/143,048
- PRIOR FILING DATE: 1999-07-07
- PRIOR APPLICATION NUMBER: US 60/145,698
- PRIOR FILING DATE: 1999-07-26
- PRIOR APPLICATION NUMBER: US 60/146,222
- PRIOR FILING DATE: 1999-07-28
- PRIOR APPLICATION NUMBER: PCT/US99/20594
- PRIOR FILING DATE: 1999-09-08
- PRIOR APPLICATION NUMBER: PCT/US99/20944
- PRIOR FILING DATE: 1999-09-13
- PRIOR APPLICATION NUMBER: PCT/US99/21090
- PRIOR FILING DATE: 1999-09-15
- PRIOR APPLICATION NUMBER: PCT/US99/21547

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; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-907-794A-190

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Query Match 100.0%; Score 3064; DB 4; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.2e-289;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAEAGNASCVTSGGNAETHKAMILQNPSENCTWTIERPENKSIIRIFSVQVLDPP 60
Db 23 MAEAGNASCVTSGGNAETHKAMILQNPSENCTWTIERPENKSIIRIFSVQVLDPP 82

Qy 61 GSCSENIKVDGTSSNGPLGQVCKNDYVPVFESSSTLTFTQIVTDSARIQRTVFVY 120
Db 83 GSCSENIKVDGTSSNGPLGQVCKNDYVPVFESSSTLTFTQIVTDSARIQRTVFVY 142

Qy 121 YFFSPNISPCGGYDLTLESGFTSPNPKPHPLAYCVWHIQVEKDYKIKLAFKEIFLE 180
Db 143 YFFSPNISPCGGYDLTLESGFTSPNPKPHPLAYCVWHIQVEKDYKIKLAFKEIFLE 202

Qy 181 IDKQCKDFLAIYDGPSTNSGLIGQVGRVTPPTFESSNSLTTLVLTSDYANSYRGFSASY 240
Db 203 IDKQCKDFLAIYDGPSTNSGLIGQVGRVTPPTFESSNSLTTLVLTSDYANSYRGFSASY 262

Qy 241 TSIYAENINTTSLCSDRMVITISKYLEAFNGNGLQKDPCTCRPKLSNVVFSVPL 300
Db 263 TSIYAENINTTSLCSDRMVITISKYLEAFNGNGLQKDPCTCRPKLSNVVFSVPL 322

Qy 301 NGCGTIRKVEQSIITYTNITFSSASTSEVITROKQLIIVKCEMGNSTVEIIYITEDD 360
Db 323 NGCGTIRKVEQSIITYTNITFSSASTSEVITROKQLIIVKCEMGNSTVEIIYITEDD 382

Qy 361 VIQSONALGKNTSMALFESNFETILESPYYVDLNLQTLFVQVSLHTSDPNLVVFLDTC 420
Db 383 VIQSONALGKNTSMALFESNFETILESPYYVDLNLQTLFVQVSLHTSDPNLVVFLDTC 442

Qy 421 RASPTSDFASPTDILIKSGSRDETCVYPLFGHYGRFQFNARFKFLSMSSVYLQCKVLI 480
Db 443 RASPTSDFASPTDILIKSGSRDETCVYPLFGHYGRFQFNARFKFLSMSSVYLQCKVLI 502

Qy 481 CDSSDHQSRQCGVSRKRDISSYKWKTDSDIIGFIRLKRDRSASGNSGFQHETHAETP 540
Db 503 CDSSDHQSRQCGVSRKRDISSYKWKTDSDIIGFIRLKRDRSASGNSGFQHETHAETP 562

Qy 541 NOPFNSVHLFSPWIALNVTVAITVHFVNQADYKYLQNY 585
Db 563 NOPFNSVHLFSPWIALNVTVAITVHFVNQADYKYLQNY 607

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RESULT 2
US-09-905-125A-190

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; Sequence 190, Application US/09905125A
; Patent No. 6664376
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,125A
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-905-125A-190

```


Query Match 100.0%; Score 3064; DB 4; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.2e-289;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANNAETHKAMILQLNPSNCTWTIERPENKIRIIFSVQLDDPD 60
DB 23 MAEAGNASCCTVSLGGANNAETHKAMILQLNPSNCTWTIERPENKIRIIFSVQLDDPD 82

QY 61 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 120
DB 83 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 142

QY 121 YFFSPNISIPNCGGYLDTLEGSTSPNPKPHELAYCWHIQVEKDYKIKLNFKEIFLE 180
DB 143 YFFSPNISIPNCGGYLDTLEGSTSPNPKPHELAYCWHIQVEKDYKIKLNFKEIFLE 202

QY 181 IDKQCKFDPLAIYDGPSTNSGLIGQVCGRVTPPTFESSNSLTVVLTSDYANSYRGFSASY 240
DB 203 IDKQCKFDPLAIYDGPSTNSGLIGQVCGRVTPPTFESSNSLTVVLTSDYANSYRGFSASY 262

QY 241 TSIYAENINTSLTCSDDRMVLIISKYLEAFNNGNNLQDKPTCRPKLSNVVFSVPL 300
DB 263 TSIYAENINTSLTCSDDRMVLIISKYLEAFNNGNNLQDKPTCRPKLSNVVFSVPL 322

QY 301 NGCGTIRKVEDQSIYTNIIITFASSTSEVITRQKQLIIVKCEMGNSTVEIYYITEDD 360
DB 323 NGCGTIRKVEDQSIYTNIIITFASSTSEVITRQKQLIIVKCEMGNSTVEIYYITEDD 382

QY 361 VIQSONALGKNTSMALFESNPKTILESPYYVDLQNTLFPVQSLHTSDPNLWFLDTC 420
DB 383 VIQSONALGKNTSMALFESNPKTILESPYYVDLQNTLFPVQSLHTSDPNLWFLDTC 442

QY 421 RASPTSDPASPTDYLIKSGCRDRTCKVPLFGHYGRFQFNAKFLRSMSSVYLQCKVLI 480
DB 443 RASPTSDPASPTDYLIKSGCRDRTCKVPLFGHYGRFQFNAKFLRSMSSVYLQCKVLI 502

QY 481 CDSHDSQRNCGQCVSRKRDISYKWKTDIIIGPIRLKDRSAGNSGFGHETHAETP 540
DB 503 CDSHDSQRNCGQCVSRKRDISYKWKTDIIIGPIRLKDRSAGNSGFGHETHAETP 562

QY 541 NQPFNSVHLFWMVLANVTVAITVRHFVNQADYKYOKLQNY 585
DB 563 NQPFNSVHLFWMVLANVTVAITVRHFVNQADYKYOKLQNY 607

RESULT 3
US-09-902-775A-190
; Sequence 190, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerriksen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/902,775A
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 190
LENGTH: 607
TYPE: PRT
ORGANISM: Homo sapiens
US-09-902-775A-190

Query Match 100.0%; Score 3064; DB 4; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.2e-289;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANNAETHKAMILQLNPSNCTWTIERPENKIRIIFSVQLDDPD 60
DB 23 MAEAGNASCCTVSLGGANNAETHKAMILQLNPSNCTWTIERPENKIRIIFSVQLDDPD 82

QY 61 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 120
DB 83 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 142

QY 121 YFFSPNISIPNCGGYLDTLEGSTSPNPKPHELAYCWHIQVEKDYKIKLNFKEIFLE 180
DB 143 YFFSPNISIPNCGGYLDTLEGSTSPNPKPHELAYCWHIQVEKDYKIKLNFKEIFLE 202

QY 181 IDKQCKFDPLAIYDGPSTNSGLIGQVCGRVTPPTFESSNSLTVVLTSDYANSYRGFSASY 240
DB 203 IDKQCKFDPLAIYDGPSTNSGLIGQVCGRVTPPTFESSNSLTVVLTSDYANSYRGFSASY 262

QY 241 TSIYAENINTSLTCSDDRMVLIISKYLEAFNNGNNLQDKPTCRPKLSNVVFSVPL 300
DB 263 TSIYAENINTSLTCSDDRMVLIISKYLEAFNNGNNLQDKPTCRPKLSNVVFSVPL 322

Qy	301	NSCGTRKRVEDOSIITYTNIIITFSASSTSEVITROKQLOIIVKCMGHGNSVVEIIYTTEDD	360
Db	323	NSCGTRKRVEDOSIITYTNIIITFSASSTSEVITROKQLOIIVKCMGHGNSVVEIIYTTEDD	382
Qy	361	VIQSQNALGKYNTSMALFESNSFEKTIILESPPYVDLNOTLIFVOVSLHTSDPNLWFLDTC	420
Db	383	VIQSQNALGKYNTSMALFESNSFEKTIILESPPYVDLNOTLIFVOVSLHTSDPNLWFLDTC	442
Qy	421	RASPTSDPASPYDILKSGCGRDETCVKYPLFGHYGRFQPNAKFLRSMSSVYLOCKVLI	480
Db	443	RASPTSDPASPYDILKSGCGRDETCVKYPLFGHYGRFQPNAKFLRSMSSVYLOCKVLI	502
Qy	481	CDSDHQRCNCGCVSRSKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAEETP	540
Db	503	CDSDHQRCNCGCVSRSKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAEETP	562
Qy	541	NOGFNSVHLFSPMWALNVVTVATITVRHFVNQADYKYOKLQNY	585
Db	563	NOGFNSVHLFSPMWALNVVTVATITVRHFVNQADYKYOKLQNY	607

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RESULT 4
US-08-470-350B-2
; Sequence 2, Application US/08470350B
; Patent No. 5684126
; GENERAL INFORMATION:
; APPLICANT: Li, Xiao
; APPLICANT: Snyder, Solomon H
; TITLE OF INVENTION: Ebnerin: A Secreted von Ebner's Gland
; TITLE OF INVENTION: Protein Associated with Taste Buds
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 1001 G Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,350B

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Query Match      27.5%; Score 842; DB 1; Length 1290;
Best Local Similarity 29.3%; Pred.No. 1.9e-72;
Matches 200; Conservative 125; Mismatches 191; Indels 166; Gaps 16;

Qy 36 CWTIETPENKSIIRIFSVOLDPGSCSENIKVPDGTSSNGPLLGQVCS----- 86
Db 609 CLWKIFVPSMNRVTVPFDVL-----EGGCNYDIILGDPGEYNSSLIARVCDGNSGPTST 666

Qy 87 -----KNDY-----VPFSSSSSTLTFFQVITDSARIQ 113
Db 667 QNFMSVFFITGDSVTRRGFOADYSTPIRTSTPTPTFFIITGNSSSLVLRVNGTNRCE 726

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114 RTVFVY-----120
   :|
727 GRVEILLRGSWPACADDSWMDINDANVVCRLGCGSALSAPGNAWFGQGSGLIVLVDVSCS 786
   :|
121 -----YFESPNISIECNGCYLDTLE 140
   :|
787 GYESHLWNCRHPQLVHNCRHVEDAGVIGSLPDPTSPGPVWTSPFPVNTCCGFITGLS 846
   :|
141 GSFTSNYPKPFPELAYCVWHIOVERDKIKLFKEIFLEIBDCKCFDFDLAIYDGPSINS 200
   :|
847 GQFSPPYPCSGYPNNARCLNIEVPNNRVTVVRDV--QLEGGCNYDYIEIFDGPHSS 904
   :|
201 GLIQGVGRVTPIFESSNSLTVLSTDVANSVRGPSASYSITSYABNINTSTLTCSDRM 260
   :|
905 PLIARVCDGANGFTSTSNFMSVRFTTDSHVTRRGFRADYSDF--DNNTTNLLCLSNHM 962
   :|
261 RVIIISKYLEAFNSNGNNLOLK---DPICRPKLS-NUVEFPSPLNGCGTIRKVEOOSIT 315
   :|
963 RASVRSRYIQSMGYSGSRDLVIPGWNVSYOCQPOITOREVIFTIPYTCGGTKQADNETIN 1022
   :|
316 YTMNIIFSASTSEVITRQKLOLIIVKCEMGNHSTVEIIVITEDDDVIQSQUALGKNXTSM 375
1023 YSNFL--KAAVSNGILIKRKDLHIHVSCKMLQNTWNTWMTIANTVEIQEVOXGPDFVNI 1080
   :|
376 ALFESNSFEKITLESPPYVDLNQTLFVQVSLHTSDPNLVFLDTCRASP--TSDFASPTYD 434
   :|
1081 SFYTSSSFLYPTVTSPPYYVDLDONLYALQAEVLHSDTSLALFVDTCVASPHNPDFSLLTYD 1140
   :|
435 LIKSGCSRDETCVY----PLPGHYGRFOFNAPFKELRSMSSVYLCKVLICDSSDHQRSC 490
   :|
1141 LIRSGCIRDETYQSYSGSPS---RITRFKPSSFHF.LNRPPSVYLQCKLVVCRANDVSSRC 1197
   :|
491 NOGCVSRKRDISSYKWKIDSIIGPTRL----KRDRSAS-GNSGFOETHAEETPNQPFN 545
   :|
1198 YRCGVRSKEDVGSIQEKVDTVIGPILQOSPSEKESLDLAVADVEKPASSQEV---YP 1253
   :|
546 SVHLFGFMVLALNVTVTATVV 567
   :|
1254 TAAIFGGVFLAL-VVAVAAPT.L 1274
   :|
Db Db

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RESULT 5
US-09-341-587-3
; Sequence 3, Application US/09341587
; Patent No. 6346606
; GENERAL INFORMATION:
; APPLICANT: Mollenhauer, Jan
; TITLE OF INVENTION: Protein Containing an SCR Domain
; FILE REFERENCE: 4121-108
; CURRENT APPLICATION NUMBER: US/09/341,587
; CURRENT FILING DATE: 1999-08-31
; EARLIER APPLICATION NUMBER: PCT/DE98/00096
; EARLIER FILING DATE: 1998-01-09
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 1785
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-341-587-3

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Query Match	27.3%	Score 837;	DB 4;	Length 1785;
Best Local Similarity	29.7%;	Pred. No. 1e-71;		
Matches 186;	Conservative 122;	Mismatches 161;	Indels 158;	Gaps 13;
Qy	36	CTWTIERPENKSIIRIIFYVOLDPGSCSENIKVFDPGSSNGLIQGVCKNDYVFPVFE	95	
Db	1164	CVMEIEVNSYRINLGFSLKLEAHNCSFDYVEIFDGLSNLSLLIGKIC--NDTRQIFT	1221	
Qy	96	SSSGSTLTFFQVTDASARIQTVFVYVFPFSP--	125	
Db	1222	SSYNRMTHIFRPSDIS--FONGTGLAWNPSPSDATLRVLNLSNVGLCAGRVEIYHGQTWG	1380	

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QY 126 -----NLSIPN-----CGYLDLTLEGSTSPNPKPH 152
Db 1281 TVCDDSWTIOEAVVCRQCGRAVSALGNAYFGSGGPIITLDDVECSGTSTLWQCNR 1340
QY 126 -----NLSIPN-----CGYLDLTLEGSTSPNPKPH 152
Db 1341 GWFSHCNHREDAGVICSGNHLSTPAFLNTRPNTDYSCGFLSQPSGDFSPFPNGY 1400
QY 153 PELAYCVWHIOVEKDYKIKLAFKEIFLEIDKQCKDFDLAIYDGPSTNSGLIGQVCGRVP 212
Db 1401 PNNACVWDIEVQNNRYRVTFPRDV--QLEGCCNDYIEVDGPRSSPLIARVCDGARG 1458
QY 213 TPESSNSLTIVLSDYANSYRGFSASTSYIAENINTTSLTSSDRMRVLSKSYLEAF 272
Db 1459 SFTSSNFMIRFSDHSITRRGFRAEYVS--SPENDSTNLLCLPNNHMAQASVRSYLQSL 1516
QY 273 NSNGNQLQKD---PTCRPKLS--NVVEFSVPLNGCGTIRKVEDQSIYTNIIIFSASST 327
Db 1517 GFSASDLVISTWNGYECRPOITPLNVIPTIPYSGCGTFKQADNDTIDYSNFLT--AAVS 1574
QY 328 SEVITRQKLOIIVKCEMGNHSTVEIITIEDDDVIQSONAL-----GKNTSMALFES 380
Db 1575 GGIIRKERTDLRHVSCRMQLQNTWDTMYIANDTIHVANNITQVEVQYGNFVNNISFYS 1634
QY 381 NSFEXITLESPIYVDLNTLTFVQVSLHTSDPNLVVFLDTCRASP--TSDFASPTYDLIKSG 439
Db 1635 SSFLYPVTSRPVYVDLNCQDLVQAEILHSDAVLTLFVDTCVASPSYNDFTSLTYDLIRSG 1694
QY 440 CSRDETKVYPLFGHY-----GRFQNAKFLRSMSSVYLQCKVILCSDSHQSRQCNQ 492
Db 1695 CVRDT-----YGPYSFSLRIARFRAPFHLNRPFSVYLRCMVCVCRAYDPSRCYR 1748
QY 493 GCVSSKEDISYKWKTDIIIGPIRLK 519
Db 1749 GCVLASKEDVSGYQEKVDVIGPIQLQ 1775

RESULT 6
US-09-341-587-1
; Sequence 1, Application US/09341587
; Patent No. 6346606
; GENERAL INFORMATION:
; APPLICANT: Mollenhauer, Jan
; TITLE OF INVENTION: Protein Containing an SRCR Domain
; FILE REFERENCE: 4121-108
; CURRENT APPLICATION NUMBER: US/09/341,587
; CURRENT FILING DATE: 1999-08-31
; EARLIER APPLICATION NUMBER: PCT/DE98/00096
; EARLIER FILING DATE: 1998-01-09
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 1
; LENGTH: 666
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-341-587-1
Query Match 15.4%; Score 470.5; DB 4; Length 666;
Best Local Similarity 24.1%; Pred. No. 1e-36;
Matches 111; Conservative 92; Mismatches 121; Indels 137; Gaps 9;
QY 36 CWTIIRPENKSIIRIFSVVOLDPGSCSENIKVFDGTSNGPLLGQVCSKNDYVPVE 95
Db 213 CWVEIVNSGVRINGFNKLEAHNCSFDYIEFDGSLNSLLLGKIC--NDTROIFT 270
QY 96 SSSSTLTFTQVTDARSARIQRTVFVYFFSP----- 125
Db 271 SSYNWMTIHFRSDIS--FQNTGFLAWYNSFPDATALRLVNLNLSYGLCAGRVEIYHGWTG 329
QY 126 ----- 125
Db 330 TVCDDSWTIOEAVVCRQCGRAVSALGNAYFGSGGPIITLDDVECSGTSTLWQCNR 389
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QY 126 -----NLSIPN-----CGYLDLTLEGSTSPNPKPH 152
Db 390 GWFSHCNHREDAGVICSGNHLSTPAFLNTRPNTDYSCGFLSQPSGDFSPFPNGY 449
QY 153 PELAYCVWHIOVEKDYKIKLAFKEIFLEIDKQCKDFDLAIYDGPSTNSGLIGQVCGRVP 212
Db 450 PNNACVWDIEVQNNRYRVTFPRDV--QLEGCCNDYIEVDGPRSSPLIARVCDGARG 507
QY 213 TPESSNSLTIVLSDYANSYRGFSASTSYIAENINTTSLTSSDRMRVLSKSYLEAF 272
Db 508 SFTSSNFMIRFSDHSITRRGFRAEYVS--SPENDSTNLLCLPNNHMAQASVRSYLQSL 565
QY 273 NSNGNQLQKD---PTCRPKLS--NVVEFSVPLNGCGTIRKVEDQSIYTNIIIFSASST 327
Db 566 GFSASDLVISTWNGYECRPOITPLNVIPTIPYSGCGTFKQADNDTIDYSNFLT--AAVS 623
QY 328 SEVITRQKLOIIVKCEMGNHSTVEIITIEDDDVIQSONAL 368
Db 624 GGIIRKERTDLRHVSCRMQLQNTWDTMYIANDTIHVANNIT 664

RESULT 7
US-09-341-461-2
; Sequence 2, Application US/09341461
; Patent No. 6586389
; GENERAL INFORMATION:
; APPLICANT: Hammond, Timothy G.
; APPLICANT: Verroust, Pierre J.
; TITLE OF INVENTION: Cubilin Protein, DNA Sequences Encoding Cubilin
; TITLE OF INVENTION: and Uses Thereof
; FILE REFERENCE: D6148
; CURRENT APPLICATION NUMBER: US/09/341,461
; CURRENT FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: PCT/US99/01259
; PRIOR FILING DATE: 1999-01-21
; NUMBER OF SEQ ID NOS: 40
; SEQ ID NO 2
; LENGTH: 3623
; TYPE: PRT
; ORGANISM: rat
; FEATURE:
; OTHER INFORMATION: amino acid sequence of rat cubilin protein
US-09-341-461-2
Query Match 9.7%; Score 297.5; DB 4; Length 3623;
Best Local Similarity 28.1%; Pred. No. 1.4e-18;
Matches 101; Conservative 59; Mismatches 152; Indels 47; Gaps 15;
QY 4 AEGNACTSVLGGANMAETHKAMILQLNP-----SENCTWTIE-RPENKSIIRIFSVVOL 57
Db 1614 AEFRECE---GGRIIMTSSDTIFSPYPLGNYLGNQNCWIEAQPPFNIGITLSFTGFL 1669
QY 58 DPDGSCSENIKVFDGTSNGPLLGQVCSKNDYVPVESSSSTLTFTQVTDARSARIQRTVF 117
Db 1670 QNSTDCTDFTVEILDENDYDAPVQGRYCGFLPGPII--SFGNALTUFTVDTSTSFEGFR 1728
QY 118 VFYFPFSPNISIPNCGYLDLTLEGSTSPNPKPELAYCVWHIOVEKDYKIKLAFKEI 177
Db 1729 AIY-----SASTSSCGGFFYTLDDGIFNSPDYADYGPNAECVMNIASSPGNRLQLSPLSF 1783
QY 178 FLEIDKQCKDFDLAIYDGPSTNSGLIGQVCGRVPTESSS--NSLTIVLSDYANSYRG 235
Db 1784 NUENSLNCKDFVEIREGNAT--GGLIGRYCNSLPGNYSSAAGSLWVRFVSDSGSGTGMG 1842
QY 236 FSASTSYIAEN--INTTSLTCS-----SDRMVLSKSYLEAFNSNGNQLQKD-- 283
Db 1843 FQARPKNIFGNNVIGTGGKIASPPWPGKYPNSNYKVVVN---VDAYGIIGRILEMDI 1899
QY 284 -PTCR-----PKLSNVVEFSVPLNG--CGTRKVEDQSIYTNIIIFSASSTSEVTR 333
Db 1900 EPTTNCFYDSLKIYDGFDTGRLTGTCGT-----QTESFSSRNLYTFQFSSDSSVSGR 1954
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RESULT 8

US-08-866-650-3
: Sequence 3, Application US/080866650
: Patent No. 5939321
: GENERAL INFORMATION:
: APPLICANT: Greenspan, Daniel S
: APPLICANT: Takahara, Kazuhiko
: APPLICANT: Hoffman, Guy G
: TITLE OF INVENTION: Mammalian Tolloid-Like Protein
: NUMBER OF SEQUENCES: 13
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Quarles & Brady
: STREET: 1 South Pinckney Street
: CITY: Madison
: STATE: WI
: COUNTRY: US
: ZIP: 53703
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/866,650
: FILING DATE:
: CLASSIFICATION: 514
: ATTORNEY/AGENT INFORMATION:
: NAME: Berson, Bennett J
: REGISTRATION NUMBER: 37094
: REFERENCE/DOCKET NUMBER: 960296.93839
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 608-251-5000
: TELEFAX: 608-251-9166
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1013 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-08-866-650-3

Query Match 9.6%; Score 293; DB 2; Length 1013;

Best Local Similarity 25.6%; Pred. No. 4.3e-19;

Matches 79; Conservative 47; Mismatches 120; Indels 62; Gaps 9;

QY	32	PSNCTWTIERPENKSI	IRIFSVQLDPDGSC	SENIKVFDTSSNG	PLLGQVCSKNDYV	91
DB	484	PMKECVKMLWSEGVH	GLTFOAFIEHRD	SCAYDHLVDRDGA	SENSPLIGRFCG	YDKP 542
QY	92	PVFESSSTLTQIVT	DSARIQRTVFVFF	YF-----	-----F	123
DB	543	EDIRSTNTLWMKFV	SDGT-VNKAGFA	ANFFKEDDECAK	PDGCGCEQRCLN	TLSYQCAC 601
QY	124	SPNIST-PN-----	CGGYLTLGSGFT	SPNYPKPHPELA	YCVWHIQVEKDYK	IKLNF 175
DB	602	EPGYELGPDRRSCE	ACAGLLTKLNGT	ITTPGWPKYPPN	KNCVMQVVIAP	SOYRISVKFE 661
QY	176	EIFLEIDKCKDFLA	YDGPSTNSGLIG	QVCGVTP-TFESS	SNSLTWLSTDY	ANSYR 234
DB	662	FPELEGNVCKDYV	IEINSGPSES	KLHGKFCGADIP	EVMTSHFNNM	IEFKSDNTVSKK 721
QY	235	GPSASTS-----	IYAENINTT-SL	TCCSDRMVRIIS	KSYLEAFNSGN	NLQK 282
DB	722	GFKAHFSDKDECS	KDNGGCGECV	NTMGSYTCQ-----	-----RNGFV	LHENKHDC 770
QY	283	DPTCRPKL 290				
DB	771	EAECEQKI 778				

RESULT 9

US-09-021-287-3

: Sequence 3, Application US/09021287
: Patent No. 5981717
: GENERAL INFORMATION:
: APPLICANT: Greenspan, Daniel S
: APPLICANT: Takahara, Kazuhiko
: APPLICANT: Hoffman, Guy G
: TITLE OF INVENTION: Mammalian Tolloid-Like Protein
: NUMBER OF SEQUENCES: 13
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Quarles & Brady
: STREET: 1 South Pinckney Street
: CITY: Madison
: STATE: WI
: COUNTRY: US
: ZIP: 53703
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/021,287
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/866,650
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Berson, Bennett J
: REGISTRATION NUMBER: 37094
: REFERENCE/DOCKET NUMBER: 960296.93839
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 608-251-5000
: TELEFAX: 608-251-9166
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1013 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-09-021-287-3

Query Match 9.6%; Score 293; DB 2; Length 1013;

Best Local Similarity 25.6%; Pred. No. 4.3e-19;

Matches 79; Conservative 47; Mismatches 120; Indels 62; Gaps 9;

QY	32	PSNCTWTIERPENKSI	IRIFSVQLDPDGSC	SENIKVFDTSSNG	PLLGQVCSKNDYV	91
DB	484	PMKECVKMLWSEGVH	GLTFOAFIEHRD	SCAYDHLVDRDGA	SENSPLIGRFCG	YDKP 542
QY	92	PVFESSSTLTQIVT	DSARIQRTVFVFF	YF-----	-----F	123
DB	543	EDIRSTNTLWMKFV	SDGT-VNKAGFA	ANFFKEDDECAK	PDGCGCEQRCLN	TLSYQCAC 601
QY	124	SPNIST-PN-----	CGGYLTLGSGFT	SPNYPKPHPELA	YCVWHIQVEKDYK	IKLNF 175
DB	602	EPGYELGPDRRSCE	ACAGLLTKLNGT	ITTPGWPKYPPN	KNCVMQVVIAP	SOYRISVKFE 661
QY	176	EIFLEIDKCKDFLA	YDGPSTNSGLIG	QVCGVTP-TFESS	SNSLTWLSTDY	ANSYR 234
DB	662	FPELEGNVCKDYV	IEINSGPSES	KLHGKFCGADIP	EVMTSHFNNM	IEFKSDNTVSKK 721
QY	235	GPSASTS-----	IYAENINTT-SL	TCCSDRMVRIIS	KSYLEAFNSGN	NLQK 282
DB	722	GFKAHFSDKDECS	KDNGGCGECV	NTMGSYTCQ-----	-----RNGFV	LHENKHDC 770
QY	283	DPTCRPKL 290				
DB	771	EAECEQKI 778				

Sequence 3, Application US/09240473
Patent No. 6297011
GENERAL INFORMATION:
APPLICANT: Greenspan, Daniel S
APPLICANT: Takahara, Kazuhiko
APPLICANT: Hoffman, Guy G
TITLE OF INVENTION: Mammalian Tolloid-Like Protein
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Charles & Brady
STREET: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US
ZIP: 53703
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/240,473
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Berson, Bennett J
REGISTRATION NUMBER: 37094
REFERENCE/DOCKET NUMBER: 960296.93839
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1013 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-240-473-3

Query Match 9.6%; Score 293; DB 3; Length 1013;
Best Local Similarity 25.6%; Pred. No. 4.3e-19;
Matches 79; Conservative 47; Mismatches 120; Indels 62; Gaps 9;
QY 32 PSNCWTIERPENKSIIRIIFSVQLDPDGCSENIKVPDGTSSNGPLLGQVCSKNDYV 91
Db 484 PMKECVKIMVSEGYHVLTFQAFETIERHDSYDHLVDRGASNSPLIGRFGC-YDKP 542
QY 92 PVFESSSTLTQIVTDSARIQRTVFVYYP-----F 123
Db 543 EDIRSTNTLWMKRVSDGT-VNKAGFAANFFKEEDCAKPDRCGCCQRCINTLGSYQCAC 601
QY 124 SPNISI-PN-----CCGYLDLTLEGFTSPNYPKPELAYCVWHIQVEKDYKIKLNFK 175
Db 602 EPGVELGPDRRSCEAACGGLTLKNGTITTPGPKPEYPPKNCVQVQIAPSQYRISVKE 661
QY 176 EIFLEIDKQKPELAYIDGPNSTGLIGQVCRVTP-TPFSSNSLTVLSTDVANSYR 234
Db 662 FFELEGNEVKYDYVEIWSGPSSSKLHGKFCGADIPVMTSHFNMRIFKSDNTVSKK 721
QY 235 GFSASYTS-----IYASININTT-SLTCSDRMRVVISKSYLEAFNNGNNILQK 282
Db 722 GFKAHFFSDKDECKNGGCGHCQCVNTMGSYTCQ-----RNGFVLHKNKDKK 770
QY 283 DPTCRPKL 290
Db 771 EAECEQKI 778

RESULT 11

US-08-453-472-6

Sequence 6, Application US/08453472
Patent No. 5626846
GENERAL INFORMATION:

APPLICANT: DEAN, JURRIEN
TITLE OF INVENTION: CONTRACEPTIVE VACCINE
TITLE OF INVENTION: BASED ON ALLOIMMUNIZATION WITH ZONA PELLUCIDA
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/453,472
FILING DATE: 30-May-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/038,948
FILING DATE: 26-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,462
FILING DATE: 20-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/364,379
FILING DATE: 12-JUN-1989
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36,434
REFERENCE/DOCKET NUMBER: 2026-4032 US3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 713
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: mouse
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
FEATURE:
NAME/KEY: ZP2
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: mouse ZP2 protein
US-08-453-472-6

Query Match 9.4%; Score 289; DB 1; Length 713;
Best Local Similarity 22.8%; Pred. No. 5.8e-19;
Matches 129; Conservative 85; Mismatches 202; Indels 150; Gaps 24;

QY 50 IIFSVQLDPDGCSENI-----IKVPDGT-----SSNGPLLGQ 83
Db 155 ISFSPQPLPSRLADENQVSEMGWIVKINGTGAHILPLKDAIVQGFNLLDSQKVTLV 214
QY 84 VCSKNDYVPVFESSSSTLTQI-VTDSARIQRTVFVYFFFSNIG-----IFN 131
Db 215 PANATGIVHYVQESSSYLTVQLLELLFTTQKIVFSSHAICAPDLVACNATHMTLTIFE 274

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QY 132 CGGYLDLTL-GSFTSPNYPKHPPELAYCVWH---IQVEKDYKIKLNKFEIFLEIDKCKP 187
Db 275 FPGKLESVDFGOWSIPEDQ-----WHANGIDKEATNGURLNFRKSLTKPKSEKC 324
QY 188 DFLAIYDGPSTNSGLIGQVGRVPTPSSSSNLTIVLSTDYANSYRGFSASYTIIYAEN 247
Db 325 PFYQFY-----LSSLKLTFFYQGNMLSTVIDPE-----CHCES 357
QY 248 INTSLTSSDRMRVVIISKSYLEAFNSNGNLLQDKPTCRP--KLSNV--VEPSVPLNGC 303
Db 358 PVSIDELCAQDGFMDFEVYSHQTKPALNLDLTLLVGNSSCOPIFKVQSVGLARPHIPLNGC 417
QY 304 GTIRKVEDQSIITYN--IITFSASSTSEVITRQKQLQIIVKCEMHNSTVEIITTEDDVI 362
Db 418 GTROKFEQDKVYENIEHALWENPSPNIVFRNSEFRMTVRC-----YYIRDSML 466
QY 363 QSONALGKNTS-----MALPESNFEKTILESPIYVD-----LNQTLFVQV 404
Db 467 LNAHVKGHPSPFAFKPGPLVLVLQTYPDQSYQR-----PYRKDEYPLVRLRQPIYMEV 521
QY 405 S-LHTSDPNLVFLDTCRASPTSDPAS-PTYDLIKSGCSRDETCCKVPL-----451
Db 522 KVLSENNDNIKLVLDCCWATSEDPASAPQWQIVMDGCE-----YELDNYRTTFHPAG 574
QY 452 -----FGHYGRFQFNAPKFL---RSMSS-VYLQCKVLICDSSDHQS--RCNQGCVS--RSK 499
Db 575 SSAHSGHYQRPDKVTKTFAFVSEARGLSLIYFHCSALICNQVSLDSPCLSVTPCASLRSK 634
QY 500 RDISYKWKTDIIIGPIRLKDRSAS 525
Db 635 REANKEDTMTVSLPGPILLSDVSSS 660

RESULT 12
US-08-038-948-7
; Sequence 7, Application US/08038948
; Patent No. 5641487
; GENERAL INFORMATION:
; APPLICANT: DEAN, JURRIEN
; TITLE OF INVENTION: CONTRACEPTIVE VACCINE BASED ON
; TITLE OF INVENTION: ALLOIMUNIZATION WITH ZONA PELLUCIDA POLYPEPTIDES
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/038,948
; FILING DATE: 26-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/930,462
; FILING DATE: 20-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/364,379
; FILING DATE: 12-JUN-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: SCOTT, Watson T.
; REGISTRATION NUMBER: 26,581
; REFERENCE/DOCKET NUMBER: 99152/E-366-88/2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 861-3000
; TELEFAX: (202) 822-0944
; TELEX: 6714627 CUSH
```

```
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 713 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-038-948-7

Query Match          9.4%; Score 289; DB 1; Length 713;
Best Local Similarity 22.8%; Pred. No. 5.8e-19;
Matches 129; Conservative 85; Mismatches 202; Indels 150; Gaps 24;

QY 50 IIFSVDLPDGCSESEN-----IKVFDCT-----SSNGPLLGQ 83
Db 155 ISFSPPQLFSRLADENQNVSEMGWIKIGNTRAHILPLKDAIVQGFNLLIDSQKVLHV 214
QY 84 VCSKNDYVPVPESSSITLTFQI-VTDSARIQRTVFVYFFSPNIS-----IPN 131
Db 215 PANATGIVHYVQESSLYTVQLELLFSTGQKIVFSSHAICAPDLSVACNATHMTLTPE 274
QY 132 CGGYLDLTL-GSFTSPNYPKHPPELAYCVWH---IQVEKDYKIKLNKFEIFLEIDKCKP 187
Db 275 FPGKLESVDFGOWSIPEDQ-----WHANGIDKEATNGURLNFRKSLTKPKSEKC 324
QY 188 DFLAIYDGPSTNSGLIGQVGRVPTPSSSSNLTIVLSTDYANSYRGFSASYTIIYAEN 247
Db 325 PFYQFY-----LSSLKLTFFYQGNMLSTVIDPE-----CHCES 357
QY 248 INTSLTSSDRMRVVIISKSYLEAFNSNGNLLQDKPTCRP--KLSNV--VEPSVPLNGC 303
Db 358 PVSIDELCAQDGFMDFEVYSHQTKPALNLDLTLLVGNSSCOPIFKVQSVGLARPHIPLNGC 417
QY 304 GTIRKVEDQSIITYN--IITFSASSTSEVITRQKQLQIIVKCEMHNSTVEIITTEDDVI 362
Db 418 GTROKFEQDKVYENIEHALWENPSPNIVFRNSEFRMTVRC-----YYIRDSML 466
QY 363 QSONALGKNTS-----MALPESNFEKTILESPIYVD-----LNQTLFVQV 404
Db 467 LNAHVKGHPSPFAFKPGPLVLVLQTYPDQSYQR-----PYRKDEYPLVRLRQPIYMEV 521
QY 405 S-LHTSDPNLVFLDTCRASPTSDPAS-PTYDLIKSGCSRDETCCKVPL-----451
Db 522 KVLSENNDNIKLVLDCCWATSEDPASAPQWQIVMDGCE-----YELDNYRTTFHPAG 574
QY 452 -----FGHYGRFQFNAPKFL---RSMSS-VYLQCKVLICDSSDHQS--RCNQGCVS--RSK 499
Db 575 SSAHSGHYQRPDKVTKTFAFVSEARGLSLIYFHCSALICNQVSLDSPCLSVTPCASLRSK 634
QY 500 RDISYKWKTDIIIGPIRLKDRSAS 525
Db 635 REANKEDTMTVSLPGPILLSDVSSS 660

RESULT 13
US-08-038-948-8
; Sequence 8, Application US/08038948
; Patent No. 5641487
; GENERAL INFORMATION:
; APPLICANT: DEAN, JURRIEN
; TITLE OF INVENTION: CONTRACEPTIVE VACCINE BASED ON
; TITLE OF INVENTION: ALLOIMUNIZATION WITH ZONA PELLUCIDA POLYPEPTIDES
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/038,948
FILING DATE: 26-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,462
FILING DATE: 20-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/364,379
FILING DATE: 12-JUN-1989
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, Watson T.
REGISTRATION NUMBER: 26,581
REFERENCE/DOCKET NUMBER: 99152/E-266-88/2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000
TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-038-948-8

Query Match 9.4%; Score 289; DB 1; Length 713;
Best Local Similarity 22.8%; Pred. No. 5.8e-19;
Matches 129; Conservative 85; Mismatches 202; Indels 150; Gaps 24;
QY 50 IIFSYYQLDPDGCSESEN-----IKVFDGT-----SSNGPLLGQ 83
DB 155 ISFSPQLFSLADENQVSEMGWIKGNTRAHILPLKDAIVQGNLLIDSKQVTLHV 214
QY 84 VCKNDYVVPFSSSSTLTFOI-VTDSARIQRTVFVFFSPNIS-----IPN 131
DB 215 PANATGIVHYQVSESVLYTVQLELLFSTTGQKIVFSSHAICAPDLSVACNATHMTLPIE 274
QY 132 CGGYLDTE-GSFTSPNPKPHELAYCVWH---IQVEKDYKIKLNFKFLEIDKCKF 187
DB 275 PFGKLESVDFGWSIPEDQ-----WHANGIDKEATNGLRNFRKSLTKPKSEK 324
QY 188 DFLAYDGPSTNSGLIGVCGRVPTPFSSNSLTAVLSTDYANSYRGSASYTSIYAEN 247
DB 325 PFYQFY-----LSLKLTFYFQGNMLSTVIDPE-----CHCES 357
QY 248 INTTSLTSSDRMRVVISKSYLEAFNSNGNLLQKDPCTCRP--KLSNV--VEFSVPLNGC 303
DB 358 PVSIDELCAQDGFMDFEVYSHQTKPALNLDLTLLVGNSSCQPIFKVQSVGLARFHPILNGC 417
QY 304 GTIRKVEQSIYTN-IITFSASSTSEVITRQKQIIVKCEMGNHSEIYITEDDVI 362
DB 418 GTRQFEGDKVIEYEHIALMENPNSIVFNSEFRMTVRC-----YYRDSML 466
QY 363 QSONALGKYNTS-----MALFESNSFEKTLIESPYVVD-----LNQTLFVQV 404
DB 467 LNAHYKGHPSPFAFKVPGPLVLVLTQYTPDQSVQR-----PYRKDEYPLVRLRQPIYMEV 521
QY 405 S-LHTSDNVLVFLTCTASPTSDPAS-PTVDLIKSGCSRDETKCVPL-----451
DB 522 KYLSRNDPNIKVLDDCWATSESDPASAPQWQVMDGCE-----YELDNYRTTFHPAG 574
QY 452 -----FGHYGRFOFNKFLA---RSMSS-VYLQCKVLICSDSDHQS-RNCGCVS---RSK 499
DB 575 SAAASHGHVQRDVKTFAFVSARGLSLIIYFHCALICQVSLDPLCSVTCASLSRSK 634
QY 500 RDISYKWKTDIIIGPIRLKRRDRAS 525
DB 635 REANKEDMTVSLPGLPILLSDVSSS 660

RESULT 14
US-08-038-948-10
Sequence 10, Application US/08038948
Patent No. 5641487
GENERAL INFORMATION:
APPLICANT: DEAN, JURRIEN
TITLE OF INVENTION: CONTRACEPTIVE VACCINE BASED ON
TITLE OF INVENTION: ALLOIMMUNIZATION WITH ZONA PELLUCIDA POLYPEPTIDES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSER: CUSHMAN, DARBY & CUSHMAN
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/038,948
FILING DATE: 26-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,462
FILING DATE: 20-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/364,379
FILING DATE: 12-JUN-1989
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, Watson T.
REGISTRATION NUMBER: 26,581
REFERENCE/DOCKET NUMBER: 99152/E-266-88/2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000
TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 713 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-038-948-10

Query Match 9.4%; Score 289; DB 1; Length 713;
Best Local Similarity 22.8%; Pred. No. 5.8e-19;
Matches 129; Conservative 85; Mismatches 202; Indels 150; Gaps 24;
QY 50 IIFSYYQLDPDGCSESEN-----IKVFDGT-----SSNGPLLGQ 83
DB 155 ISFSPQLFSLADENQVSEMGWIKGNTRAHILPLKDAIVQGNLLIDSKQVTLHV 214
QY 84 VCKNDYVVPFSSSSTLTFOI-VTDSARIQRTVFVFFSPNIS-----IPN 131
DB 215 PANATGIVHYQVSESVLYTVQLELLFSTTGQKIVFSSHAICAPDLSVACNATHMTLPIE 274
QY 132 CGGYLDTE-GSFTSPNPKPHELAYCVWH---IQVEKDYKIKLNFKFLEIDKCKF 187
DB 275 PFGKLESVDFGWSIPEDQ-----WHANGIDKEATNGLRNFRKSLTKPKSEK 324
QY 188 DFLAYDGPSTNSGLIGVCGRVPTPFSSNSLTAVLSTDYANSYRGSASYTSIYAEN 247
DB 325 PFYQFY-----LSLKLTFYFQGNMLSTVIDPE-----CHCES 357
QY 248 INTTSLTSSDRMRVVISKSYLEAFNSNGNLLQKDPCTCRP--KLSNV--VEFSVPLNGC 303
DB 358 PVSIDELCAQDGFMDFEVYSHQTKPALNLDLTLLVGNSSCQPIFKVQSVGLARFHPILNGC 417

QY 304 GTIRKVEDQSIYTN-IITFSASSTSEVITROKQLIIVKCMGHNSTVEIITDDVI 362
Db 418 GTROKFECDKVIYENEIHALWENPSPNIVFNSFRMTVRC-----YYIRDSML 466
QY 363 QSONALGKYNTS-----MALFESNSFEKTILESPIYVD-----LNQTLFVQV 404
Db 467 LNAHVKGHPSPFAFVKPGPLVLQTYPDQSYQR-----PYRKDEYPLVRLQPIYMEV 521
QY 405 S-LHTSDENLVFLDTCRASPTSPAS-PTYDLIKSGCSRDETCKVYPL-----451
Db 522 KYLSRNDPNIKLVLDCCWATSEDPASAPQWQIYVMDGCE-----YELDNVYRTHFPAG 574
QY 452 -----FGHYGRFQFNAFKFL---RSMSS-VYLQCKVLICDSDHQS--RCNOGCVS--RSK 499
Db 575 SSAHSGHYQRFDVKTFAFVSEARGLSLIYFHCALICQVSLDSPCLSVTCPASLRSK 634
QY 500 RDISSYKWKTDIIGPIRLKDRSAS 525
Db 635 REANKEDTMTVSLPGPILLLLSDVSSS 660

RESULT 15
US-08-453-952-6
Sequence 6, Application US/08453952
Patent No. 5672488
GENERAL INFORMATION:
APPLICANT: DEAN, JURRIEN
TITLE OF INVENTION: CONTRACEPTIVE VACCINE
TITLE OF INVENTION: BASED ON ALLICIMUNIZATION WITH ZONA PELLUCIDA
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSES: MORGAN & FINNEGAN
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/453,952
FILING DATE: 30-May-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/038,948
FILING DATE: 26-MAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,462
FILING DATE: 20-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/364,379
FILING DATE: 12-JUN-1989
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36,434
REFERENCE/DOCKET NUMBER: 2026-4032 US4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 713
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: protein
ORIGINAL SOURCE: mouse

STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
FEATURE:
NAME/KEY: ZP2
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: mouse ZP2 protein
US-08-453-952-6
Query Match 9.4%; Score 289; DB 1; Length 713;
Best Local Similarity 22.8%; Pred. No. 5.8e-19;
Matches 129; Conservative 85; Mismatches 202; Indels 150; Gaps 24;
QY 50 IIFSVQLDPPGSCSEN-----IKVPDGT-----SSNGPLLGQ 83
Db 155 ISFSPQLFSRLADENQVSEMGWIKIGNTRAHLPLKDAIVQGFNLLIDSKVTLHV 214
QY 84 VCSKNDYVPFESSSSTLTFOI-VTDSARIQRTVFVFYFSPNIS-----IPN 131
Db 215 PANATGIVHYQESSLYTVQLELLFTTGQXIVFSSHAICAPDLSVACNATHMTLTIPE 274
QY 132 CGGYLDLLE-GSFTSPNPKPHELAYCVWH---IQVEKDYIKLNKEIFLEIDKOCKF 187
Db 275 FPGKLESDFVGWSIFEDQ-----WEANGIDKEATNGLNFRKSLKTKPSEKC 324
QY 188 DFLAIYDGPSTNSGLIGQVGRVTPFPSSSNSLTVLSTDYANSYRGFSASYTSIYAEN 247
Db 325 PFYQFY-----LSSKLITFYQGNLSTVIDPE-----CHCES 357
QY 248 INTTSLTSSDRMRVVISKSYLEAFNSNGNQLKNDPTCRP--KLSNV--VEFSVPLNGC 303
Db 358 PVSIDELCAQDGFMDFEVYSHQTKPALNLDLTLLVGNSSCQPIFKVQSVGLARFIPLNGC 417
QY 304 GTIRKVEDQSIYTN-IITFSASSTSEVITROKQLIIVKCMGHNSTVEIITDDVI 362
Db 418 GTROKFECDKVIYENEIHALWENPSPNIVFNSFRMTVRC-----YYIRDSML 466
QY 363 QSONALGKYNTS-----MALFESNSFEKTILESPIYVD-----LNQTLFVQV 404
Db 467 LNAHVKGHPSPFAFVKPGPLVLQTYPDQSYQR-----PYRKDEYPLVRLQPIYMEV 521
QY 405 S-LHTSDENLVFLDTCRASPTSPAS-PTYDLIKSGCSRDETCKVYPL-----451
Db 522 KYLSRNDPNIKLVLDCCWATSEDPASAPQWQIYVMDGCE-----YELDNVYRTHFPAG 574
QY 452 -----FGHYGRFQFNAFKFL---RSMSS-VYLQCKVLICDSDHQS--RCNOGCVS--RSK 499
Db 575 SSAHSGHYQRFDVKTFAFVSEARGLSLIYFHCALICQVSLDSPCLSVTCPASLRSK 634
QY 500 RDISSYKWKTDIIGPIRLKDRSAS 525
Db 635 REANKEDTMTVSLPGPILLLLSDVSSS 660

Search completed: February 18, 2004, 18:58:03
Job time : 25.9821 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 18, 2004, 14:05:12 ; Search time 258.375 Seconds
(without alignments)
478.083 Million cell updates/sec

Title: US-09-864-711-14
Perfect score: 3064
Sequence: 1 MAEAGNACTVSLGGANNA.....TVRHFNQADYKQKQNY 585

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 21153259 residues

Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	3064	100.0	585	US-09-864-711-14	Sequence 14, Appl
2	3064	100.0	607	US-09-909-320-190	Sequence 190, App
3	3064	100.0	607	US-09-909-088B-190	Sequence 190, App
4	3064	100.0	607	US-09-905-291A-190	Sequence 190, App
5	3064	100.0	607	US-09-902-853-190	Sequence 190, App
6	3064	100.0	607	US-09-907-824-190	Sequence 190, App
7	3064	100.0	607	US-09-907-841-190	Sequence 190, App
8	3064	100.0	607	US-09-904-011-190	Sequence 190, App
9	3064	100.0	607	US-09-906-742-190	Sequence 190, App
10	3064	100.0	607	US-09-906-838-190	Sequence 190, App
11	3064	100.0	607	US-09-907-613-190	Sequence 190, App
12	3064	100.0	607	US-09-907-942-190	Sequence 190, App
13	3064	100.0	607	US-09-904-859-190	Sequence 190, App
14	3064	100.0	607	US-09-909-204-190	Sequence 190, App
15	3064	100.0	607	US-09-904-820-190	Sequence 190, App

16	3064	100.0	607	10	US-09-904-786-190	Sequence 190, App
17	3064	100.0	607	10	US-09-906-646-190	Sequence 190, App
18	3064	100.0	607	10	US-09-906-700-190	Sequence 190, App
19	3064	100.0	607	10	US-09-903-786-190	Sequence 190, App
20	3064	100.0	607	10	US-09-902-903-190	Sequence 190, App
21	3064	100.0	607	10	US-09-903-749A-190	Sequence 190, App
22	3064	100.0	607	10	US-09-904-119-190	Sequence 190, App
23	3064	100.0	607	10	US-09-904-356-190	Sequence 190, App
24	3064	100.0	607	10	US-09-902-736-190	Sequence 190, App
25	3064	100.0	607	10	US-09-907-794-190	Sequence 190, App
26	3064	100.0	607	10	US-09-903-943-190	Sequence 190, App
27	3064	100.0	607	10	US-09-904-462-190	Sequence 190, App
28	3064	100.0	607	10	US-09-907-975-190	Sequence 190, App
29	3064	100.0	607	10	US-09-902-692-190	Sequence 190, App
30	3064	100.0	607	10	US-09-903-520-190	Sequence 190, App
31	3064	100.0	607	10	US-09-905-056-190	Sequence 190, App
32	3064	100.0	607	10	US-09-909-064-190	Sequence 190, App
33	3064	100.0	607	10	US-09-904-553-190	Sequence 190, App
34	3064	100.0	607	10	US-09-905-381-190	Sequence 190, App
35	3064	100.0	607	10	US-09-905-088-190	Sequence 190, App
36	3064	100.0	607	10	US-09-907-575-190	Sequence 190, App
37	3064	100.0	607	10	US-09-905-075-190	Sequence 190, App
38	3064	100.0	607	10	US-09-902-759-190	Sequence 190, App
39	3064	100.0	607	10	US-09-902-634-190	Sequence 190, App
40	3064	100.0	607	10	US-09-902-713-190	Sequence 190, App
41	3064	100.0	607	10	US-09-907-979-190	Sequence 190, App
42	3064	100.0	607	10	US-09-902-615-190	Sequence 190, App
43	3064	100.0	607	10	US-09-903-925-190	Sequence 190, App
44	3064	100.0	607	10	US-09-906-760A-190	Sequence 190, App
45	3064	100.0	607	10	US-09-903-823-190	Sequence 190, App

ALIGNMENTS

RESULT 1
US-09-864-711-14
; Sequence 14, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 14
; LENGTH: 585
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 223163CD1
US-09-864-711-14

Query Match 100.0%; Score 3064; DB 9; Length 585;
Best Local Similarity 100.0%; Pred. No. 1.7e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MAEAGNACTVSLGGANNAETHKAMILQINSENCTWTIERPENKSIIRIFSYVQLDPD 60
Db 1 MAEAGNACTVSLGGANNAETHKAMILQINSENCTWTIERPENKSIIRIFSYVQLDPD 60
Qy 61 GSCESENKIVFDGTSNGPLLGQVCNKNDYVPFFSSSTLTFTQVTPSARIQRTVFVY 120
Db 61 GSCESENKIVFDGTSNGPLLGQVCNKNDYVPFFSSSTLTFTQVTPSARIQRTVFVY 120
Qy 121 YFSPNISPNCGGYLDLTLEGSFTSPNPKPHELAYCVMHIOVEKDYKIKLNFKEIFLE 180
Db 121 YFSPNISPNCGGYLDLTLEGSFTSPNPKPHELAYCVMHIOVEKDYKIKLNFKEIFLE 180

Qy	181	IDKQCKFDPLAIYDGPSTNSGLIGVQGRVPTPESSNSLTVVSLSTDYANSYRGFSASY	240
Db	181	IDKQCKFDPLAIYDGPSTNSGLIGVQGRVPTPESSNSLTVVSLSTDYANSYRGFSASY	240
Qy	241	TSIYAENINTTSLTSSDRMRVILSKSYLEAFNSNGNNLQDKDPTCPKLSNVVFSVPL	300
Db	241	TSIYAENINTTSLTSSDRMRVILSKSYLEAFNSNGNNLQDKDPTCPKLSNVVFSVPL	300
Qy	301	NGCGTIKRVEDQSIIYTWIIITFSASSTSEVITRQKQJIIVKCBMGHNSVEIYYITDD	360
Db	301	NGCGTIKRVEDQSIIYTWIIITFSASSTSEVITRQKQJIIVKCBMGHNSVEIYYITDD	360
Qy	361	VIQSQNALGKYNTSMALFESNSFEKTIIESPYVVDLNTLTFVQVLSLHSDPNLWFLDTC	420
Db	361	VIQSQNALGKYNTSMALFESNSFEKTIIESPYVVDLNTLTFVQVLSLHSDPNLWFLDTC	420
Qy	421	RASPTSDFASPIYDILIKSGCSRDETCVKYPLFGHYGRFQFNAPKFLSMSGSVYLQCKVLI	480
Db	421	RASPTSDFASPIYDILIKSGCSRDETCVKYPLFGHYGRFQFNAPKFLSMSGSVYLQCKVLI	480
Qy	481	CUSSDHQSRGNOGCVSRSKRDISSYKWKTDISIIPILRKDRSASGNSGFQHETHAEETP	540
Db	481	CUSSDHQSRGNOGCVSRSKRDISSYKWKTDISIIPILRKDRSASGNSGFQHETHAEETP	540
Qy	541	NOFNSVHLFSEFWJALNVTVTATITVRHFVNQRADYKIQKQNY	585
Db	541	NOFNSVHLFSEFWJALNVTVTATITVRHFVNQRADYKIQKQNY	585

RESULT 2

US-09-309-320-190
; Sequence 190, Application US/09909320
; Patent No. US20020132240A1
GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,320
; CURRENT FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594

/	PRIOR FILING DATE:	1999-09-08
/	PRIOR APPLICATION NUMBER:	PCT/US99/20944
/	PRIOR FILING DATE:	1999-09-13
/	PRIOR APPLICATION NUMBER:	PCT/US99/21090
/	PRIOR FILING DATE:	1999-09-15
/	PRIOR APPLICATION NUMBER:	PCT/US99/21547
/	PRIOR FILING DATE:	1999-09-15
/	PRIOR APPLICATION NUMBER:	PCT/US99/23089
/	PRIOR FILING DATE:	1999-10-05
/	PRIOR APPLICATION NUMBER:	PCT/US99/28214
/	PRIOR FILING DATE:	1999-11-29
/	PRIOR APPLICATION NUMBER:	PCT/US99/28313
/	PRIOR FILING DATE:	1999-11-30
/	PRIOR APPLICATION NUMBER:	PCT/US99/28564
/	PRIOR FILING DATE:	1999-12-02
/	PRIOR APPLICATION NUMBER:	PCT/US99/28565
/	PRIOR FILING DATE:	1999-12-02
/	PRIOR APPLICATION NUMBER:	PCT/US99/30095
/	PRIOR FILING DATE:	1999-12-16
/	PRIOR APPLICATION NUMBER:	PCT/US99/30911
/	PRIOR FILING DATE:	1999-12-20
/	PRIOR APPLICATION NUMBER:	PCT/US99/30999
/	PRIOR FILING DATE:	1999-12-20
/	PRIOR APPLICATION NUMBER:	PCT/US00/00219
/	PRIOR FILING DATE:	2000-01-05
/	NUMBER OF SEQ ID NOS:	423
/	SEQ ID NO 190	
/	LENGTH:	607
/	TYPE:	PRT
/	ORGANISM:	Homo sapiens
/	US-09-909-320-190	

Query Match	100.0%;	Score	3064;	DB	9;	Length	607;	
Best Local Similarity	100.0%;	Pred.	No. 1.8e-276;					
Matches	585;	Conservative	0;	Mismatches	0;	Indels	0; Gaps	0;

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Dd	23	MAEAGNASCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSRIRIFSYVOLDPD	82
Qy	61	GACESENIKVFDTGSSNGPLLGQCCKNDVPVPFESSSTLTFQIVTDSARIORTVVFFY	120
Dd	83	GCESENIKVFDTGSSNGPLLGQCCKNDVPVPFESSSTLTFQIVTDSARIORTVVFFY	142
Qy	121	YFPSPNISIPNCGGYLDLTLEGFTSPNPKPHELAYCVMWHIQVEKYKIKLPKEIFILE	180
Dd	143	YFPSPNISIPNCGGYLDLTLEGFTSPNPKPHELAYCVMWHIQVEKYKIKLPKEIFILE	202
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Dd	203	IDKQCKFDPLAIYDGPSNTSGLIQOVCGRVTPTPFSSNSLTVTLSTDYANSYRGFSASY	262
Qy	241	TSTYAENINTSLTCSDRMEVIISKYLEAFNSGNGLQLKDPTCRPKLSNVWFSVPL	300
Dd	263	TSTYAENINTSLTCSDRMEVIISKYLEAFNSGNGLQLKDPTCRPKLSNVWFSVPL	322
Qy	301	NGCGTRKVEDOSITYTNIIITFPSASSTSVEITRQKQLQIIVKCEMHNSTVEIIVITDD	360
Dd	323	NGCGTRKVEDOSITYTNIIITFPSASTSEVITRQKQLQIIVKCEMHNSTVEIIVITDD	382
Qy	361	VIQSQNALGKYNISALPESNFKTILESPYYVDNLNQTILFVOVSLHTSDPNLVFLDTC	420
Dd	383	VIQSQNALGKYNISALPESNFKTILESPYYVDNLNQTILFVOVSLHTSDPNLVFLDTC	442
Qy	421	RASPTSDPASPTYDLIKSGCSDRETCKVYPFLGHYGRFOFNAPFKFLRSMSVYLCKVLI	480
Dd	443	RASPTSDPASPTYDLIKSGCSDRETCKVYPFLGHYGRFOFNAPFKFLRSMSVYLCKVLI	502
Qy	481	CSSSDHQSCNOCVSRSKRDISYKKWKTDSIIIGPIRLKEDRASGNSGFQHETABETP	540
Dd	503	CSSSDHQSCNOCVSRSKRDISYKKWKTDSIIIGPIRLKEDRASGNSGFQHETABETP	562
Qy	541	NOPFNEVHLFSFWMLALANNVTVAITTVRHFFVNQADYKYQKLQNY	585

Db 563 NOPFNSVHLSFMVLAALNVVTVATITVRHFVNQADYKQKQNY 607

RESULT 3

US-09-909-088B-190
 ; Sequence 190, Application US/09909088B
 ; Patent No. US20020146709A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnovers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kijavir, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/909,088B
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05

; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 190
 ; LENGTH: 607
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-909-088B-190

Query Match 100.0%; Score 3064; DB 9; Length 607;
 Best Local Similarity 100.0%; Pred. No. 1.8e-276;
 Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MAEAGNACTVSLGGANMAETHKAMILQNPSENCTWTIERPENKSTRIIFSVQDDPD	60
DB	23	MAEAGNACTVSLGGANMAETHKAMILQNPSENCTWTIERPENKSTRIIFSVQDDPD	82
QY	61	GSCESENIKVPDGTSSNGPLLGQVCSKNDYVVFESSSTLTQIVTDSARIQRTVFVY	120
DB	83	GSCESENIKVPDGTSSNGPLLGQVCSKNDYVVFESSSTLTQIVTDSARIQRTVFVY	142
QY	121	YFSPNISIPLNCGGYLDTLEGSPNPKPHELAICVWHIOVEKDYKIKLNFKEIFLE	180
DB	143	YFSPNISIPLNCGGYLDTLEGSPNPKPHELAICVWHIOVEKDYKIKLNFKEIFLE	202
QY	181	IDKQCKFDPLAIDGPTNSGLIGQVCGRVTPTESSNSLTTLVLTSTYANSYRGFSASY	240
DB	203	IDKQCKFDPLAIDGPTNSGLIGQVCGRVTPTESSNSLTTLVLTSTYANSYRGFSASY	262
QY	241	TSIYAENINTSLTCSDDRMVITISKYLEAFNNGNNLQDKPTCRPKLSNVVFSVPL	300
DB	263	TSIYAENINTSLTCSDDRMVITISKYLEAFNNGNNLQDKPTCRPKLSNVVFSVPL	322
QY	301	NGCGTIRKVEDQSIITVNIITFSASSTSEVITROKQIIVKCEMGNSTVEIIVITEDD	360
DB	323	NGCGTIRKVEDQSIITVNIITFSASSTSEVITROKQIIVKCEMGNSTVEIIVITEDD	382
QY	361	VIQSONALGKNTSMALFESNFETKILESPYYVLDLQTLFVQVSLHTSDPNLVFLDTC	420
DB	383	VIQSONALGKNTSMALFESNFETKILESPYYVLDLQTLFVQVSLHTSDPNLVFLDTC	442
QY	421	RASPTSDPASPTDILKSGCSRDCTKVYPLFGHVGFOFNAPKFLRSMSSVYLCKVLI	480
DB	443	RASPTSDPASPTDILKSGCSRDCTKVYPLFGHVGFOFNAPKFLRSMSSVYLCKVLI	502
QY	481	CDSDHQRCNQGCYVSRKRDISSYKWKTDIIIGPILKDRDSASGNSGFQHETHABETP	540
DB	503	CDSDHQRCNQGCYVSRKRDISSYKWKTDIIIGPILKDRDSASGNSGFQHETHABETP	562
QY	541	NQPFNSVHLSFMVLAALNVVTVATITVRHFVNQADYKQKQNY	585
DB	563	NQPFNSVHLSFMVLAALNVVTVATITVRHFVNQADYKQKQNY	607

RESULT 4

US-09-905-291A-190
 ; Sequence 190, Application US/09905291A
 ; Patent No. US20020160374A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnovers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.

APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/905,291A
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-08-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 190
LENGTH: 607
TYPE: PRT
ORGANISM: Homo sapiens
US-09-905-291A-190

Query Match 100.0%; Score 3064; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAEGNASTVSLGGANNAETHKAMILQNPSENCTWTIERPENKSIIRIFSVQLDDP 60
DB 23 MAEAEGNASTVSLGGANNAETHKAMILQNPSENCTWTIERPENKSIIRIFSVQLDDP 82
QY 61 GSCSENIKVFDTSSNGPLLGQVCKNDYVPVFSSSSTLTFOIVTDSARIQRTVFVY 120
DB 83 GSCSENIKVFDTSSNGPLLGQVCKNDYVPVFSSSSTLTFOIVTDSARIQRTVFVY 142
QY 121 YFFSNISIPNCGGYLDLTLEGSFTSPNPKPHELAYCWHIQVEKDYKIKLNPKFIPL 180
DB 143 YFFSNISIPNCGGYLDLTLEGSFTSPNPKPHELAYCWHIQVEKDYKIKLNPKFIPL 202
QY 181 IDKQCKFDPLAIYDGPSTNSGLIGQVCGRVTPTFESSNSLTVLSTDYANSYRGSASY 240

DB 203 IDKQCKFDPLAIYDGPSTNSGLIGQVCGRVTPTFESSNSLTVLSTDYANSYRGSASY 262
QY 241 TSIYAENINTTSLTCSDDMRVLIISKYLEAFNSNGNLQKDPCTCRPKLSNVVFSVPL 300
DB 263 TSIYAENINTTSLTCSDDMRVLIISKYLEAFNSNGNLQKDPCTCRPKLSNVVFSVPL 322
QY 301 NGGTTIRKVEDOSITVTNIITFASSTSEVITROKQLOIIVKCEMGNHSTVEIIVITDD 360
DB 323 NGGTTIRKVEDOSITVTNIITFASSTSEVITROKQLOIIVKCEMGNHSTVEIIVITDD 382
QY 361 VIQSONALGKYNNTSMALFESNFETKILFSPYVDLNTQTLFVQVSLHSDPNLVVFLDTC 420
DB 383 VIQSONALGKYNNTSMALFESNFETKILFSPYVDLNTQTLFVQVSLHSDPNLVVFLDTC 442
QY 421 RASPTSDPASPYDLIKGCSRDETCVKYPLFGHYGRFQFNAFKELRSWSSVYLCKVLI 480
DB 443 RASPTSDPASPYDLIKGCSRDETCVKYPLFGHYGRFQFNAFKELRSWSSVYLCKVLI 502
QY 481 CDSDDHQRSCNQCVCVSRKRDISSYKWKTDSSIIIGFIRLKRDRSASGNSGFGQHETHAETP 540
DB 503 CDSDDHQRSCNQCVCVSRKRDISSYKWKTDSSIIIGFIRLKRDRSASGNSGFGQHETHAETP 562
QY 541 NOPFNSVHLFSEFMVLALNVVTVATITVRHFVNORADYKYQKLONY 585
DB 563 NOPFNSVHLFSEFMVLALNVVTVATITVRHFVNORADYKYQKLONY 607

RESULT 5
US-09-902-853-190
Sequence 190, Application US/09902853
Publication No. US20020192659A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/902,853
CURRENT FILING DATE: 2001-07-10
PRIOR APPLICATION NUMBER: US/09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944

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; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-09-902-853-190

Query Match      100.0%; Score 3064; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANNAETHKAMILQLNPSENCTWTIERPENKSIIRIFSVQLDDP 60
Db 23 MAEAGNASCCTVSLGGANNAETHKAMILQLNPSENCTWTIERPENKSIIRIFSVQLDDP 82
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Db 83 GSESENIKVPDGTSGNGLGQVCSKNDYVPVFPSSSTLTFOITVDSARIQTVFVY 142
QY 121 YFFSPNISIPNGCGYLDLTLEGFTSPNPKPPELAYCVWHIQVEKDYKIKLNKEIFLE 180
Db 143 YFFSPNISIPNGCGYLDLTLEGFTSPNPKPPELAYCVWHIQVEKDYKIKLNKEIFLE 202
QY 181 IDKCKDFDLAYDGPSTNSGLIGOVCGRVPTFPSSNSLTVLSTDYANSYGFAS 240
Db 203 IDKCKDFDLAYDGPSTNSGLIGOVCGRVPTFPSSNSLTVLSTDYANSYGFAS 262
QY 241 TSIYAENINTSLTSSDRMRVVISKSYLEAFNSNGNQLQKDPCTCRPKLSNVVFFSVPL 300
Db 263 TSIYAENINTSLTSSDRMRVVISKSYLEAFNSNGNQLQKDPCTCRPKLSNVVFFSVPL 322
QY 301 NCGGTRKVEDOSIYTNITTSASSTSEVITRQKQLQIIVKCEMGNHSTVEIITYTDD 360
Db 323 NCGGTRKVEDOSIYTNITTSASSTSEVITRQKQLQIIVKCEMGNHSTVEIITYTDD 382
QY 361 VTQSQNALCKYNTSMALFESNFEKLTILESPPYVDNLNQLFVQVSLHTSDPNLVFLDTC 420
Db 383 VTQSQNALCKYNTSMALFESNFEKLTILESPPYVDNLNQLFVQVSLHTSDPNLVFLDTC 442
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Db 443 RASPTSDPASPVDLIKSGCSDRETCVYPLFGHVGROFNAPFKLRMSVYLOCKVLI 502
QY 481 CDSHDSHRCNQCVRSKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 540
Db 503 CDSHDSHRCNQCVRSKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 562
QY 541 NQPFNSVHLFSEFVLMALNVVTVATITVRHFVNQRADYKYQKLQNY 585
Db 563 NQPFNSVHLFSEFVLMALNVVTVATITVRHFVNQRADYKYQKLQNY 607

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RESULT 6

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US-09-907-824-190
; Sequence 190, Application US/09907824
; Publication No. US20020197571A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,824
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1998-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05

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1 NUMBER OF SEQ ID NOS: 423
2 SEQ ID NO 190
3 LENGTH: 607
4 TYPE: PRT
5 ORGANISM: Homo Sapien
6 US-09-907-824-190

Query Match 100.0%; Score 3064; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIFSVQLDDPD 60
DB 23 MAEAGNASCCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIFSVQLDDPD 82
QY 61 GSCSEENIKVFDGTSSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 120
DB 83 GSCSEENIKVFDGTSSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 142
QY 121 YFFSPNISIPNCGGYLDTLEGSFTSPNYPKPHPLAYCVMHIQVEKDYKIKLNFKEIFLE 180
DB 143 YFFSPNISIPNCGGYLDTLEGSFTSPNYPKPHPLAYCVMHIQVEKDYKIKLNFKEIFLE 202
QY 181 IDKCKDFDLAIYDGPSTNSGLIGQVCGRTVPTPESSSSNTLTVVLSTDYANSYRGSASY 240
DB 203 IDKCKDFDLAIYDGPSTNSGLIGQVCGRTVPTPESSSSNTLTVVLSTDYANSYRGSASY 262
QY 241 TSIYAENINTTSLTCSDDRMVVIISKYLEAFNNGNNLQKOPTCRPKLSNVVFSVPL 300
DB 263 TSIYAENINTTSLTCSDDRMVVIISKYLEAFNNGNNLQKOPTCRPKLSNVVFSVPL 322
QY 301 NGCGTIRKVEDQSIITYNNIITFSASSTSEVITROKQIIVKCEMGNSTVEIYYITTEDD 360
DB 323 NGCGTIRKVEDQSIITYNNIITFSASSTSEVITROKQIIVKCEMGNSTVEIYYITTEDD 382
QY 361 VIQSQNALGKYNSTALPESNSFEKTILESPPYVDLNTQTLFVQVSLTSDPNLWFLDTC 420
DB 383 VIQSQNALGKYNSTALPESNSFEKTILESPPYVDLNTQTLFVQVSLTSDPNLWFLDTC 442

RESULT 7

US-09-907-841-190
1 Sequence 190, Application US/09907841
2 Publication No. US20020198366A1
3 GENERAL INFORMATION:
4 APPLICANT: Genentech, Inc.
5 APPLICANT: Ashkenazi, Avi
6 APPLICANT: Botstein, David
7 APPLICANT: Desnoyers, Luc
8 APPLICANT: Eaton, Dan L.
9 APPLICANT: Ferrara, Napoleone
10 APPLICANT: Filvaroff, Ellen
11 APPLICANT: Fong, Sherman
12 APPLICANT: Gao, Wei-Giang
13 APPLICANT: Gerber, Hanspeter
14 APPLICANT: Gerritsen, Mary E.
15 APPLICANT: Goddard, A.
16 APPLICANT: Godowski, Paul J.
17 APPLICANT: Grimaldi, Christopher J.
18 APPLICANT: Gurney, Austin L.
19 APPLICANT: Hillan, Kenneth, J.

1 APPLICANT: Kljavin, Ivar J.
2 APPLICANT: Mather, Jennie P.
3 APPLICANT: Pan, James
4 APPLICANT: Paoni, Nicholas F.
5 APPLICANT: ROY, Margaret Ann
6 APPLICANT: Stewart, Timothy A.
7 APPLICANT: Tumas, Daniel
8 APPLICANT: Williams, P. Mickey
9 APPLICANT: Wood, William, I.
10 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
11 TITLE OF INVENTION: Acids Encoding the Same
12 FILE REFERENCE: 10466-14
13 CURRENT APPLICATION NUMBER: US/09/907,841
14 CURRENT FILING DATE: 2001-11-20
15 PRIOR APPLICATION NUMBER: PCT/US00/04414
16 PRIOR FILING DATE: 2000-02-22
17 PRIOR APPLICATION NUMBER: US 60/143,048
18 PRIOR FILING DATE: 1999-07-07
19 PRIOR APPLICATION NUMBER: US 60/145,698
20 PRIOR FILING DATE: 1999-07-26
21 PRIOR APPLICATION NUMBER: US 60/146,222
22 PRIOR FILING DATE: 1999-07-28
23 PRIOR APPLICATION NUMBER: PCT/US99/20594
24 PRIOR FILING DATE: 1999-09-08
25 PRIOR APPLICATION NUMBER: PCT/US99/20944
26 PRIOR FILING DATE: 1999-09-13
27 PRIOR APPLICATION NUMBER: PCT/US99/21090
28 PRIOR FILING DATE: 1999-09-15
29 PRIOR APPLICATION NUMBER: PCT/US99/21547
30 PRIOR FILING DATE: 1999-09-15
31 PRIOR APPLICATION NUMBER: PCT/US99/23089
32 PRIOR FILING DATE: 1999-10-05
33 PRIOR APPLICATION NUMBER: PCT/US99/28214
34 PRIOR FILING DATE: 1999-11-29
35 Remaining Prior Application data removed - See File Wrapper or PALM.
36 NUMBER OF SEQ ID NOS: 423
37 SEQ ID NO 190
38 LENGTH: 607
39 TYPE: PRT
40 ORGANISM: Homo sapiens
41 US-09-907-841-190

Query Match 100.0%; Score 3064; DB 9; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAGNASCCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIFSVQLDDPD 60
DB 23 MAEAGNASCCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIFSVQLDDPD 82
QY 61 GSCSEENIKVFDGTSSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 120
DB 83 GSCSEENIKVFDGTSSNGPLLGQVCSKNDYVVPFESSSTLTFOIVTDSARIQRTVFVY 142
QY 121 YFFSPNISIPNCGGYLDTLEGSFTSPNYPKPHPLAYCVMHIQVEKDYKIKLNFKEIFLE 180
DB 143 YFFSPNISIPNCGGYLDTLEGSFTSPNYPKPHPLAYCVMHIQVEKDYKIKLNFKEIFLE 202
QY 181 IDKCKDFDLAIYDGPSTNSGLIGQVCGRTVPTPESSSSNTLTVVLSTDYANSYRGSASY 240
DB 203 IDKCKDFDLAIYDGPSTNSGLIGQVCGRTVPTPESSSSNTLTVVLSTDYANSYRGSASY 262
QY 241 TSIYAENINTTSLTCSDDRMVVIISKYLEAFNNGNNLQKOPTCRPKLSNVVFSVPL 300
DB 263 TSIYAENINTTSLTCSDDRMVVIISKYLEAFNNGNNLQKOPTCRPKLSNVVFSVPL 322
QY 301 NGCGTIRKVEDQSIITYNNIITFSASSTSEVITROKQIIVKCEMGNSTVEIYYITTEDD 360
DB 323 NGCGTIRKVEDQSIITYNNIITFSASSTSEVITROKQIIVKCEMGNSTVEIYYITTEDD 382
QY 361 VIQSQNALGKYNSTALPESNSFEKTILESPPYVDLNTQTLFVQVSLTSDPNLWFLDTC 420
DB 383 VIQSQNALGKYNSTALPESNSFEKTILESPPYVDLNTQTLFVQVSLTSDPNLWFLDTC 442

QY 421 RASPTSDPASPTDYLKSGCSRDETCCKVYPLFGHYGRFOFNAFKFLRSMSSVYLQCKVLI 480
 Db 443 RASPTSDPASPTDYLKSGCSRDETCCKVYPLFGHYGRFOFNAFKFLRSMSSVYLQCKVLI 502
 QY 481 CDSHDQSRNCQGCYSRKRDISSYKWKTDISIIGIRLKRDRSASGNSGFQETHAEETP 540
 Db 503 CDSHDQSRNCQGCYSRKRDISSYKWKTDISIIGIRLKRDRSASGNSGFQETHAEETP 562
 QY 541 NQPFNSVHLFSEFWLALNVVTVATITVRHFVNQRADYKYQKLNQY 585
 Db 563 NQPFNSVHLFSEFWLALNVVTVATITVRHFVNQRADYKYQKLNQY 607

RESULT 8

US-09-904-011-190
 ; Sequence 190, Application US/09904011
 ; Publication No. US2003000350A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kljavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/904,011
 ; PRIOR FILING DATE: 2001-07-11
 ; PRIOR APPLICATION NUMBER: 09/665,350
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30

; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 190
 ; LENGTH: 607
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 ; US-09-904-011-190
 Query Match 100.0%; Score 3064; DB 10; Length 607;
 Best Local Similarity 100.0%; Pred. No. 1.8e-276;
 Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MAEAEGNASCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIIPSYQLDPD 60
 Db 23 MAEAEGNASCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIIPSYQLDPD 82
 QY 61 GCSESENIKVFDTGTSNGPLLGVCVKNDYVVFSSSSTLTFLQIVTDSARIQRTVVFY 120
 Db 83 GCSESENIKVFDTGTSNGPLLGVCVKNDYVVFSSSSTLTFLQIVTDSARIQRTVVFY 142
 QY 121 YFPSPNISIPNCGGYLDTLEGSTSPNYPKPHPELAYCVMHIQVEKDYKIKLNFKIEIFLE 180
 Db 143 YFPSPNISIPNCGGYLDTLEGSTSPNYPKPHPELAYCVMHIQVEKDYKIKLNFKIEIFLE 202
 QY 181 IDKQCKFDLAIYDGPSTNSGLIGQVCGRVPTTFPSSSSSLTVLSTDYANSYRGFSASY 240
 Db 203 IDKQCKFDLAIYDGPSTNSGLIGQVCGRVPTTFPSSSSSLTVLSTDYANSYRGFSASY 262
 QY 241 TSIYAENINTSLTCSDDRMVLIISKYLEAFNSNGNLLQDKPTCRPKLSNVVEFSVPL 300
 Db 263 TSIYAENINTSLTCSDDRMVLIISKYLEAFNSNGNLLQDKPTCRPKLSNVVEFSVPL 322
 QY 301 NGCGTIRKVEDQSITVTNIITFSASSTSEVITRQQLQIIVKCEMGNHSTVEIITD 360
 Db 323 NGCGTIRKVEDQSITVTNIITFSASSTSEVITRQQLQIIVKCEMGNHSTVEIITD 382
 QY 361 VIQSONALCKYNTSMALPESNSPEKTILESPPYVDLNTQTLFVQVSLHTSDPMLVFLDTC 420
 Db 383 VIQSONALCKYNTSMALPESNSPEKTILESPPYVDLNTQTLFVQVSLHTSDPMLVFLDTC 442
 QY 421 RASPTSDPASPTDYLKSGCSRDETCCKVYPLFGHYGRFOFNAFKFLRSMSSVYLQCKVLI 480
 Db 443 RASPTSDPASPTDYLKSGCSRDETCCKVYPLFGHYGRFOFNAFKFLRSMSSVYLQCKVLI 502
 QY 481 CDSHDQSRNCQGCYSRKRDISSYKWKTDISIIGIRLKRDRSASGNSGFQETHAEETP 540
 Db 503 CDSHDQSRNCQGCYSRKRDISSYKWKTDISIIGIRLKRDRSASGNSGFQETHAEETP 562
 QY 541 NQPFNSVHLFSEFWLALNVVTVATITVRHFVNQRADYKYQKLNQY 585
 Db 563 NQPFNSVHLFSEFWLALNVVTVATITVRHFVNQRADYKYQKLNQY 607

RESULT 9

US-09-906-742-190
 ; Sequence 190, Application US/09906742
 ; Publication No. US20030023054A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth, J.
 APPLICANT: Kijavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/906,742
 PRIOR FILING DATE: 2001-07-16
 PRIOR APPLICATION NUMBER: 09/665,350
 PRIOR FILING DATE: 2000-09-18
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO 190
 LENGTH: 607
 TYPE: PRT
 ORGANISM: Homo Sapien
 US-09-906-742-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
 Best Local Similarity 100.0%; Pred. No. 1.8e-276;
 Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MAEAGNASCTVSLGGANMAETHKAMILQINPSENCTWTIERPENKSIIRIIISYVOLDPD 60
 23 MAEAGNASCTVSLGGANMAETHKAMILQINPSENCTWTIERPENKSIIRIIISYVOLDPD 82
 61 GCSESENIKVFDTSSNGPLLGQVCSKNDYVPVFSSSSSTLTFQIVTDSARQRTVFVY 120
 83 GCSESENIKVFDTSSNGPLLGQVCSKNDYVPVFSSSSSTLTFQIVTDSARQRTVFVY 142
 121 YFFSPNISIPNCGYDLTLEGGFTSPNPKPELAYCVWHIQVEKDYKIKLNFKEIFLE 180
 143 YFFSPNISIPNCGYDLTLEGGFTSPNPKPELAYCVWHIQVEKDYKIKLNFKEIFLE 202
 181 IDQCKDFDLAIYDGPSTNSGLIGQVCGRVPTTFSSSSNSLTVVLSTDYANSYRGFSASY 240
 203 IDQCKDFDLAIYDGPSTNSGLIGQVCGRVPTTFSSSSNSLTVVLSTDYANSYRGFSASY 262
 241 TSIYAENINTSLTCSDDMRVLIISKYLEAFNSNGNQLQKDPCTCRPKLSNVVFSVPL 300
 263 TSIYAENINTSLTCSDDMRVLIISKYLEAFNSNGNQLQKDPCTCRPKLSNVVFSVPL 322
 301 NGCGTIRKVEDQSIYTNITTFSSASTSEVITRQKQLQIIVKCEMHNSTVEIITDEDD 360
 323 NGCGTIRKVEDQSIYTNITTFSSASTSEVITRQKQLQIIVKCEMHNSTVEIITDEDD 382
 361 VIQSNALGKYNSTSMALFESNSFEKTLILSPYVDLNOTLFOVSLHSDPNLVFLDTC 420
 383 VIQSNALGKYNSTSMALFESNSFEKTLILSPYVDLNOTLFOVSLHSDPNLVFLDTC 442
 421 RASPTGDFASPTVDLIKSGCSRDETCVKYPLFGHYGRFOFNAFKFLRSMSSVYLQCKVLI 480
 443 RASPTGDFASPTVDLIKSGCSRDETCVKYPLFGHYGRFOFNAFKFLRSMSSVYLQCKVLI 502
 481 CDSDDHQRNCQCVSRKRDISSYKWKTDLSIIGIRLKRDSASGSGFQETHAETP 540
 503 CDSDDHQRNCQCVSRKRDISSYKWKTDLSIIGIRLKRDSASGSGFQETHAETP 562
 541 NQPFNSVHLFSFVNLALNVTVTATITVRHFVNQRADYKYQKIQNY 585
 563 NQPFNSVHLFSFVNLALNVTVTATITVRHFVNQRADYKYQKIQNY 607

RESULT 10

US-09-906-838-190
 ; Sequence 190, Application US/09906838
 ; Publication No. US20030027143A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kijavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same

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FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,838
CURRENT FILING DATE: 2001-07-16
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 190
LENGTH: 607
TYPE: PRT
ORGANISM: Homo Sapien
US-09-906-838-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276; Indels 0; Gaps 0;
Matches 585; Conservative 0; Mismatches 0;

QY 1 MAEAGNASCTVSLGGANMAETHKAMILQLNPNSENCTWTIERPENKSIIRIIFSVYQLDPD 60
DB 23 MAEAGNASCTVSLGGANMAETHKAMILQLNPNSENCTWTIERPENKSIIRIIFSVYQLDPD 82
QY 61 GSCSENIKVFDTSSNGPLQGVCSKNDYVPVFSSSSTLTFQIVTDSARIQTVFVY 120
DB 83 GSCSENIKVFDTSSNGPLQGVCSKNDYVPVFSSSSTLTFQIVTDSARIQTVFVY 142
QY 121 YFFSPNISIPNCGGYLDLTLEGSGTSPNPKPPELAYCVWHIQVEKDYKIKLNFKEIFLE 180
DB 143 YFFSPNISIPNCGGYLDLTLEGSGTSPNPKPPELAYCVWHIQVEKDYKIKLNFKEIFLE 202
QY 181 IDKQCFDLAIYDGPSTNSGLIGQVCGRTVTFPSSNSLTIVLSTDYANSYRGFSASY 240
DB 203 IDKQCFDLAIYDGPSTNSGLIGQVCGRTVTFPSSNSLTIVLSTDYANSYRGFSASY 262
QY 241 TSYAENINTTSLTSCSDRMVLIISKYLEAFNSGNNIQLKDPICRPKLSNVVEFSVPL 300
DB 263 TSYAENINTTSLTSCSDRMVLIISKYLEAFNSGNNIQLKDPICRPKLSNVVEFSVPL 322
QY 301 NGCGTIRKVEDQSITVNTIITSASSTSEVITRQKQLQIIVKCEMGNHSTVEIIVITBDD 360
DB 323 NGCGTIRKVEDQSITVNTIITSASSTSEVITRQKQLQIIVKCEMGNHSTVEIIVITBDD 382

361 VIOSQNALGKYNSTSMALFESNSPEKTIRESPPYVDLNTQTLFVQVSLHTSDPNLVVFLDTC 420
383 VIOSQNALGKYNSTSMALFESNSPEKTIRESPPYVDLNTQTLFVQVSLHTSDPNLVVFLDTC 442
421 RASPTSDPASPTVDLIKSGCSRDETCKVYPLFGHYGRFQFNAPKFLRSMSSVYLCKVLI 480
443 RASPTSDPASPTVDLIKSGCSRDETCKVYPLFGHYGRFQFNAPKFLRSMSSVYLCKVLI 502
481 CDSSDHQSRNCQGVSRKRDISSYKWKTDSSIIGPIRLKDRSASGNSGFQETHAEETP 540
503 CDSSDHQSRNCQGVSRKRDISSYKWKTDSSIIGPIRLKDRSASGNSGFQETHAEETP 562
541 NOPFNSVHLFSPFWLALNVVTATITVRHFVNORADYKYQKQNY 585
563 NOPFNSVHLFSPFWLALNVVTATITVRHFVNORADYKYQKQNY 607

RESULT 11
US-09-907-613-190
Sequence 190, Application US/09907613
Publication No. US20030027145A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: KJavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,613
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
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; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-907-613-190

Query Match      100.0%; Score 3064; DB 10; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAEGNACCTVSLGAGNAETHKAMILQLNPSENCTWTIERPENKSTRIIFSVQLDDP 60
DB 23 MAEAEGNACCTVSLGAGNAETHKAMILQLNPSENCTWTIERPENKSTRIIFSVQLDDP 82
QY 61 GCSBENIKVFGDTSNGPLGQVCSKNDYVPFSSSSTLTFQVTDARSRIQRTVFVY 120
DB 83 GCSBENIKVFGDTSNGPLGQVCSKNDYVPFSSSSTLTFQVTDARSRIQRTVFVY 142
QY 121 YFFSPNISTPNCGGYLDLTGSGFTSPNPKPPELAYCWHIQLVQEKYKIKLNKEIFLE 180
DB 143 YFFSPNISTPNCGGYLDLTGSGFTSPNPKPPELAYCWHIQLVQEKYKIKLNKEIFLE 202
QY 181 IDKQCKFDFLAIYDGPSTNSGLIGQVCGRVPTTFESSNSLTIVLSTDYANSYRGFSASY 240
DB 203 IDKQCKFDFLAIYDGPSTNSGLIGQVCGRVPTTFESSNSLTIVLSTDYANSYRGFSASY 262
QY 241 TSIYAENINTTSLTSSDRMRVILSKYLEAFNSGNLQLKDPCTCRPKLSNVVFEFVPL 300
DB 263 TSIYAENINTTSLTSSDRMRVILSKYLEAFNSGNLQLKDPCTCRPKLSNVVFEFVPL 322
QY 301 NGCGTIRKVEDOSITVNIITFSASTSEVITRQKQLIIVKCEMGNSTVEIIVITEDD 360
DB 323 NGCGTIRKVEDOSITVNIITFSASTSEVITRQKQLIIVKCEMGNSTVEIIVITEDD 382
QY 361 VIQSQUALGKNTSMALFESNFKETILSPYYVDLNTLFFVQSLHTSDPNLVFLDTC 420
DB 383 VIQSQUALGKNTSMALFESNFKETILSPYYVDLNTLFFVQSLHTSDPNLVFLDTC 442
QY 421 RASPTSDFASTPYDLITKSCSDECKVYPLFGHGRGFQNAFKFLRSMSSVYLQCKVLI 480
DB 443 RASPTSDFASTPYDLITKSCSDECKVYPLFGHGRGFQNAFKFLRSMSSVYLQCKVLI 502
QY 481 CDSSDHQSRNCGCVSRSKRDISSYKWKTDTSIIGPIRLKDRSASGNSGFGQETHAETP 540
DB 503 CDSSDHQSRNCGCVSRSKRDISSYKWKTDTSIIGPIRLKDRSASGNSGFGQETHAETP 562
QY 541 NQPFNSVHLFSPMVLALNVVTTATTVRFVFNQADYKQKLVNY 585
DB 563 NQPFNSVHLFSPMVLALNVVTTATTVRFVFNQADYKQKLVNY 607

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RESULT 12

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US-09-907-942-190
; Sequence 190, Application US/09907942
; Publication No. US20030027146A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi

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; ORGANISM: Homo sapiens
US-09-907-942-190

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Query Match      100.0%; Score 3064; DB 10; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,942
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-907-942-190

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Qy 1 MAEAGNASCCTVSLGGANNAETHKAMILQNLNPSNCTWTIERPENKSIIRIIFSVQLDDP 60
Db 23 MAEAGNASCCTVSLGGANNAETHKAMILQNLNPSNCTWTIERPENKSIIRIIFSVQLDDP 82
Qy 61 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVPVPFSSSSTLTFOIVTDSARIQRTVFVY 120
Db 83 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVPVPFSSSSTLTFOIVTDSARIQRTVFVY 142
Qy 121 YFPSPNISIPNCGGYLDTLEGSTSPNYPKPHPELAYCVMHIQVEKDYKIKLNFKEIFLE 180
Db 143 YFPSPNISIPNCGGYLDTLEGSTSPNYPKPHPELAYCVMHIQVEKDYKIKLNFKEIFLE 202
Qy 181 IDKQCKFDLAIYDGPSTNSGLIGQVCGRTVPTFESSNSLTVLSTDYANSYRGFSASY 240
Db 203 IDKQCKFDLAIYDGPSTNSGLIGQVCGRTVPTFESSNSLTVLSTDYANSYRGFSASY 262
Qy 241 TSIYAENINTSLTSSDRMRVILISKSYLEAFNSNGNNLQKDPCTCRPKLSNVVFSVPL 300
Db 263 TSIYAENINTSLTSSDRMRVILISKSYLEAFNSNGNNLQKDPCTCRPKLSNVVFSVPL 322
Qy 301 NGCGTIRKVEDOSITYTNIITFSSASTSEVITRQKQLQIIVKCEMHNSTVEIITIEDD 360
Db 323 NGCGTIRKVEDOSITYTNIITFSSASTSEVITRQKQLQIIVKCEMHNSTVEIITIEDD 382
Qy 361 VIQSONALGKNTSMALFESNFETILFVQVSLHTSDNVLVFLDTC 420
Db 383 VIQSONALGKNTSMALFESNFETILFVQVSLHTSDNVLVFLDTC 442
Qy 421 RASPTSDSPASPTDYLIKSGCRDETCVKYPLFGHYGRFQFNAFKFLRSMSSVYLQCKVLI 480
Db 443 RASPTSDSPASPTDYLIKSGCRDETCVKYPLFGHYGRFQFNAFKFLRSMSSVYLQCKVLI 502
Qy 481 CDSSHQRCNCGVSRSKRDISSVYKWTDSIIGPIRLKDRSASGNSGFOHETHABETP 540
Db 503 CDSSHQRCNCGVSRSKRDISSVYKWTDSIIGPIRLKDRSASGNSGFOHETHABETP 562
Qy 541 NOPFNSVHLFSPMLALANVTVATITVRHFNQADYKYQKLQNY 585
Db 563 NOPFNSVHLFSPMLALANVTVATITVRHFNQADYKYQKLQNY 607

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RESULT 13

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US-09-904-859-190
; Sequence 190, Application US/09904859
; Publication No. US200300306060A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same

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; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,859
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo Sapien
; US-09-904-859-190

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Query Match 100.0%; Score 3064; DB 10; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAEAGNASCCTVSLGGANNAETHKAMILQNLNPSNCTWTIERPENKSIIRIIFSVQLDDP 60
Db 23 MAEAGNASCCTVSLGGANNAETHKAMILQNLNPSNCTWTIERPENKSIIRIIFSVQLDDP 82
Qy 61 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVPVPFSSSSTLTFOIVTDSARIQRTVFVY 120
Db 83 GSCSENIKVPDGTSSNGPLIGQVCSKNDYVPVPFSSSSTLTFOIVTDSARIQRTVFVY 142
Qy 121 YFPSPNISIPNCGGYLDTLEGSTSPNYPKPHPELAYCVMHIQVEKDYKIKLNFKEIFLE 180
Db 143 YFPSPNISIPNCGGYLDTLEGSTSPNYPKPHPELAYCVMHIQVEKDYKIKLNFKEIFLE 202
Qy 181 IDKQCKFDLAIYDGPSTNSGLIGQVCGRTVPTFESSNSLTVLSTDYANSYRGFSASY 240
Db 203 IDKQCKFDLAIYDGPSTNSGLIGQVCGRTVPTFESSNSLTVLSTDYANSYRGFSASY 262
Qy 241 TSIYAENINTSLTSSDRMRVILISKSYLEAFNSNGNNLQKDPCTCRPKLSNVVFSVPL 300
Db 263 TSIYAENINTSLTSSDRMRVILISKSYLEAFNSNGNNLQKDPCTCRPKLSNVVFSVPL 322
Qy 301 NGCGTIRKVEDOSITYTNIITFSSASTSEVITRQKQLQIIVKCEMHNSTVEIITIEDD 360
Db 323 NGCGTIRKVEDOSITYTNIITFSSASTSEVITRQKQLQIIVKCEMHNSTVEIITIEDD 382

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QY 361 VIOSNALGKNTSMALFESNFKTILFSPYVDLNLQTLFVQVSLHTSDPNLWFLDTC 420
Db 383 VIOSNALGKNTSMALFESNFKTILFSPYVDLNLQTLFVQVSLHTSDPNLWFLDTC 442
QY 421 RASPTSDPASPTDYLKSGCSRDETCVKYPLFGHYGRFQFNAKFLRSMSSVYLQCKVLI 480
Db 443 RASPTSDPASPTDYLKSGCSRDETCVKYPLFGHYGRFQFNAKFLRSMSSVYLQCKVLI 502
QY 481 CDSHDHQRNOCQCVSRKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 540
Db 503 CDSHDHQRNOCQCVSRKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 562
QY 541 NQPFNSVHLFSFWMLALNVVTVATITVRHFVNQRADYKYQKQNY 585
Db 563 NQPFNSVHLFSFWMLALNVVTVATITVRHFVNQRADYKYQKQNY 607

RESULT 14

US-09-909-204-190
; Sequence 190, Application US/09909204
; Publication No. US20030036061A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,204
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29

; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 190
; LENGTH: 607
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-909-204-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;
Matches 585; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAEAEAGNASCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIFSVQLDDPD 60
Db 23 MAEAEAGNASCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSIIRIFSVQLDDPD 82
QY 61 GCSESENIKVPDGTSSNGPLLGQVCSKNDYVVPSESSSLTFOIVTDSARIQRTVFVY 120
Db 83 GCSESENIKVPDGTSSNGPLLGQVCSKNDYVVPSESSSLTFOIVTDSARIQRTVFVY 142
QY 121 YFFSPNISIPNCGGYLDLTGFTSPNYPKPHPELAYCVMWHIQVEKDYKIKLNPKEIFLE 180
Db 143 YFFSPNISIPNCGGYLDLTGFTSPNYPKPHPELAYCVMWHIQVEKDYKIKLNPKEIFLE 202
QY 181 IDKQCKFDPLAIYDGPSTNSGLIGQVCGRVTPFTFESSNSLTWVSLTDYANSYRGPSASY 240
Db 203 IDKQCKFDPLAIYDGPSTNSGLIGQVCGRVTPFTFESSNSLTWVSLTDYANSYRGPSASY 262
QY 241 TSIYAENINTSLTCSDDRMVITISKYLEAFNNGNNLQKQPTCPKLSNVVFEFSVPL 300
Db 263 TSIYAENINTSLTCSDDRMVITISKYLEAFNNGNNLQKQPTCPKLSNVVFEFSVPL 322
QY 301 NCGGTIRKVEDOSITYTNIITFSASSTSEVITROKQIQIIVKCEMGNSTVEIITIEDD 360
Db 323 NCGGTIRKVEDOSITYTNIITFSASSTSEVITROKQIQIIVKCEMGNSTVEIITIEDD 382
QY 361 VIOSNALGKNTSMALFESNFKTILFSPYVDLNLQTLFVQVSLHTSDPNLWFLDTC 420
Db 383 VIOSNALGKNTSMALFESNFKTILFSPYVDLNLQTLFVQVSLHTSDPNLWFLDTC 442
QY 421 RASPTSDPASPTDYLKSGCSRDETCVKYPLFGHYGRFQFNAKFLRSMSSVYLQCKVLI 480
Db 443 RASPTSDPASPTDYLKSGCSRDETCVKYPLFGHYGRFQFNAKFLRSMSSVYLQCKVLI 502
QY 481 CDSHDHQRNOCQCVSRKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 540
Db 503 CDSHDHQRNOCQCVSRKRDISSYKWKTDISIIGPIRLKDRSASGNSGFQHETHAETP 562
QY 541 NQPFNSVHLFSFWMLALNVVTVATITVRHFVNQRADYKYQKQNY 585
Db 563 NQPFNSVHLFSFWMLALNVVTVATITVRHFVNQRADYKYQKQNY 607

RESULT 15

US-09-904-820-190
; Sequence 190, Application US/09904820
; Publication No. US20030036094A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi

APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Mathar, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,820
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 190
LENGTH: 607
TYPE: PRT
ORGANISM: Homo Sapien
US-09-904-820-190

Query Match 100.0%; Score 3064; DB 10; Length 607;
Best Local Similarity 100.0%; Pred. No. 1.8e-276;

	Matches	585;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
QY	1	MAEAEAGNACTVSLGGANNAETHKAMILQLNPSENCTWTIERPENKSIIRIIFSVQLDPD	60							
Db	23	MAEAEAGNACTVSLGGANNAETHKAMILQLNPSENCTWTIERPENKSIIRIIFSVQLDPD	82							
QY	61	GCSEENIKVFDGTSNGPLLGQVCSKNDYVPVFESSSSTLTTFQIVTDSARIQRTVFVY	120							
Db	83	GCSEENIKVFDGTSNGPLLGQVCSKNDYVPVFESSSSTLTTFQIVTDSARIQRTVFVY	142							
QY	121	YFFSPNISIPNCGGYLDLTLEGSFTSPNYPKPELAYCVMHIQVEKDYKIKLNKEIFLE	180							
Db	143	YFFSPNISIPNCGGYLDLTLEGSFTSPNYPKPELAYCVMHIQVEKDYKIKLNKEIFLE	202							
QY	181	IDQCKFDFLAIDGPTNSGLIGQVCGRVPTPTESSNSLTTLVLTSTDYANSYRGFSASY	240							
Db	203	IDQCKFDFLAIDGPTNSGLIGQVCGRVPTPTESSNSLTTLVLTSTDYANSYRGFSASY	262							
QY	241	TSIYAENINTSLTCSDDRMVVISKYLEAFNSNGNNLQDKPTCRPKLSNVVEFSVPL	300							
Db	263	TSIYAENINTSLTCSDDRMVVISKYLEAFNSNGNNLQDKPTCRPKLSNVVEFSVPL	322							
QY	301	NGCGTIRKVEDQSIITYNTIITFSASSTSEVITRQKQLQIIVKCEMGNHSTVEIITYTDD	360							
Db	323	NGCGTIRKVEDQSIITYNTIITFSASSTSEVITRQKQLQIIVKCEMGNHSTVEIITYTDD	382							
QY	361	VIOSONALGKYNSTWALPESNSFEKTILESPPYVDLNTLTFVQVSLHSDNVLVFLDTC	420							
Db	383	VIOSONALGKYNSTWALPESNSFEKTILESPPYVDLNTLTFVQVSLHSDNVLVFLDTC	442							
QY	421	RASPTSDPASPTYDLIKSGCSRDETCVKYPLFGHYGRFQFNAFKFLRSMSSVYLQCKVLI	480							
Db	443	RASPTSDPASPTYDLIKSGCSRDETCVKYPLFGHYGRFQFNAFKFLRSMSSVYLQCKVLI	502							
QY	481	CDSSDHQSRNCQCVSRKRDISSYKWKTDIIIGPIRLKRDPSASGNSGFQETHAEETP	540							
Db	503	CDSSDHQSRNCQCVSRKRDISSYKWKTDIIIGPIRLKRDPSASGNSGFQETHAEETP	562							
QY	541	NQPFNSVHLFSPWVLANVTVATITVHFVNQRADYKYQKLQNY	585							
Db	563	NQPFNSVHLFSPWVLANVTVATITVHFVNQRADYKYQKLQNY	607							

Search completed: February 18, 2004, 19:09:44
Job time : 260.375 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 18, 2004, 18:57:43 ; Search time 126.75 Seconds
(without alignments)
2561.312 Million cell updates/sec

Title: US-09-864-711-14
Perfect score: 3064
Sequence: 1 MAEAEGNASCTVSLGGANMA.....TVRHFNQADYKQKLNQY 585

Scoring table: BLOSUM62
Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blowm2 -TRANS=human40.cdi
-LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
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-USER=US09864711 @CGN 1 1.76 @runat_18022004_133044_26152 -NCPUS=6 -ICPU=3
-NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT_DSBLBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:
1: /cgn2_6/prodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/prodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/prodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/prodata/2/ina/PTCUS_COMB.seq:*
6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

pred, No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3064	100.0	2917	4	US-09-907-794A-189
2	3064	100.0	2917	4	US-09-905-125A-189
3	3064	100.0	2917	4	US-09-902-775A-189
4	1290	42.1	892	4	US-09-833-381-1918
5	842	27.5	4360	1	US-08-470-350B-1
6	837	27.3	5802	4	US-09-341-587-4
7	837	27.3	5943	4	US-09-976-594-272
8	701.5	22.9	518	4	US-09-833-381-1917
9	470.5	15.4	2001	4	US-09-341-587-2
10	293.5	9.6	11272	4	US-09-341-461-1
11	293	9.6	4771	2	US-08-866-650-2
12	293	9.6	4771	2	US-09-021-287-2

13	293	9.6	4771	3	US-09-240-473-2
14	289.5	9.4	2201	1	US-08-453-472-2
15	289.5	9.4	2201	1	US-08-038-948-6
16	289.5	9.4	2201	1	US-08-453-952-2
17	289.5	9.4	2201	2	US-08-862-903-2
18	288	9.4	3690	3	US-08-991-408-3
19	288	9.4	3690	4	US-09-432-473-3
20	288	9.4	3919	2	US-08-866-650-4
21	288	9.4	3919	2	US-09-021-287-4
22	288	9.4	3919	3	US-09-240-473-4
23	288	9.4	5145	3	US-08-991-408-1
24	288	9.4	5145	4	US-09-432-473-1
25	284	9.3	4661	4	US-09-285-385C-3
26	283	9.2	5021	4	US-09-285-385C-1
27	282	9.2	2026	4	US-09-907-794A-103
28	282	9.2	2026	4	US-09-905-125A-103
29	282	9.2	2026	4	US-09-902-775A-103
30	281.5	9.2	1480	4	US-08-839-008-8
31	281.5	9.2	1537	2	US-08-839-008-1
32	279.5	9.1	1504	2	US-08-839-008-4
33	279.5	9.1	1506	2	US-08-839-008-6
34	279	9.1	1802	3	US-09-032-523-5
35	279	9.1	1802	4	US-09-802-633-5
36	272	8.9	2457	3	US-08-872-757-1
37	272	8.9	2457	4	US-09-850-048A-1
38	271	8.8	1806	4	US-09-800-729-75
39	270.5	8.8	2487	1	US-08-377-292-1
40	266.5	8.7	2266	1	US-08-453-472-1
41	266.5	8.7	2266	1	US-08-453-952-1
42	266.5	8.7	2266	2	US-08-484-933B-42
43	266.5	8.7	2266	2	US-08-862-903-1
44	266.5	8.7	2266	2	US-08-484-158B-42
45	266.5	8.7	2266	2	US-08-484-596A-42

ALIGNMENTS

RESULT 1

US-09-907-794A-189
; Sequence 189, Application US/09907794A
; Patent No. 6635468
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Ferra, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoli, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,794A
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-907-794A-189

Alignment Scores:

Pred. No.: 0 Length: 2917
 Score: 3064.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-794A-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
 Db 1030 ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGCCAAATATGGCA 1089
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTyrIle 40
 Db 1090 GAGACCCCAAGCCCATGATCCGCAACTCAATCCAGTGAGAACTGCACCTGGACAAATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
 Db 1150 GAAAGACAGCAAAACAAAGCATCAGAAATATCTTCTATGTCAGCTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAAACATTAAAGTCTTTGACGGAACCTCCAGCAATGGGCGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGGCAAGTCTGAGTAATAAACCACTATGTTCTGTATTTGAATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGACGTTTCAAATAGTTACTGACTCAGCAAGAAATTCAAAGAACTGTCTTTGTCTCTAC 1389

QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTCTCTCTAAACATCTCTATTTCCAAACTGTGGGGTACTCTGGATACCTTGGAA 1449
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 Db 1450 GGATCCTTCCACAGCCCAATTTACCCAAAGCCGATCTCTGAGCTGGCTTATTTGTGTGG 1509
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 Db 1510 CACATACAGTGGAGAGATTACAGATATAAATCAATCAATCAAGAGATTTTCTAGAA 1569
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 Db 1570 ATAGACAAACAGTGCATAATTTGATTTTCTGCAATCTATGATGGCCCTCCACCACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
 Db 1630 GGCCTGATTGGCAAGTCTGTGGCGGTGTGACTCCACCTTCGAATCTCATCAACTCT 1689
 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 Db 1690 CTGACTGTCTGTCTGTCTACAGATTATGCCAATTTTACCGGGGATTTTCTGCTTCTAC 1749
 QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 Db 1750 ACCTCAATTTATGCGAGAAACATCAACACTACATCTTTAACTTGTCTCTCTGACAGATG 1809
 QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
 Db 1810 AGAGTTATTATAAGCAATCTACCTAGAGGCTTTAACTCTAATGGGAATAACTTGCAC 1869
 QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 Db 1870 CTAAAGAGCCCAACTGTGAGACCCAAATTTATCAATGTGTGGAATTTTCTGCTCTCTT 1929
 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
 Db 1930 AATGGATGTGTACATCATGAAAGGTAGAGATCAGTCAATTAATTACCAATATAATC 1989
 QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 Db 1990 ACCTTTTCTGATCTCTCAACTTCTGAGTGATCACTCCGCTCAGAAACCACTCCAGATTAT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 Db 2050 GTGAAGTGTGAATGGGACATTAATTTCTACAGTGGAGATTAATATACATCAAGAGATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 Db 2110 GTAATACAAAGTCAAAATGCACTGGGCAATATAACACCACTGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 Db 2170 AATTCAATTTGAAAGACATATACTTGAATCACCATTATATGGATTTGAAACCAACTCTT 2229
 QY 401 PheValGlnValSerLysHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTCTTGATACCTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 Db 2290 AGAGCTCTCCACCTCTGACTTTCATCTCCACTCAGACCTCAATCAAGAGTGGATGT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 AGTCGAGATGAACATTTGAGGTGATCCCTTATTTGGACACTATGGGAGATTCAGATT 2409
 QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
 Db 2410 AATGCTTTTAAATTTCTGAGAGATATGAGCTCTGTGTATCTGCACTGTAAAGATTTTGATA 2469

QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATAGCAGTACCACCACTCTCGCTGCAATCAAGTTGTGTCTCCAGAACCAACGA 2529
 QY 501 AspIleSerSerThrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTTCATATAATGGAACAGATTCCATAGACCCCATTCGTCTGAAAGG 2589
 QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCAAGTCAAGTGGCAATTCAGGATTTTCAGCATGAAACACATGCGGAAGAACTCCA 2649
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RESULT 2

US-09-905-125A-189
 ; Sequence 189, Application US/09905125A
 ; Patent No. 6664376

GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
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 ; APPLICANT: Fong, Sherman
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 ; APPLICANT: Kljavin, Ivar J.
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 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/905,125A
 ; CURRENT FILING DATE: 2001-07-12
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-905-125A-189
 Alignment Scores:
 Pred. No.: 0 Length: 2917
 Score: 3064.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 4 Gaps: 0
 US-09-864-711-14 (1-585) x US-09-905-125A-189 (1-2917)
 QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyValAsnMetAla 20
 Db 1030 ATGGCGGAGGCTGAAGGCATGCAAGCTGACAGTCTAGGGGTGCCATATGCGCA 1089
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
 Db 1090 GAGACCCCAAAAGCCATGATCTCTCAACTCAATCCAGTGAAGACTCAGCTGACAAATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerThrValGlnLeuAspProAsp 60
 Db 1150 GAAGACCCGAAACAAAGCATCAGATATCTTTCTCTATGTCACGCTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspThrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGCAAGTCTGCAGTAAAGACGACTATGTTCTCTATTGATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheThr 120
 Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAGGAACTGTCTTGTCTTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyThrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTCTCTCTAAATCTCTATTCCAACTGTGGCGGTACCTGGGATACCTGGAA 1449
 QY 141 GlySerPheThrSerProAsnThrProLysProHisProGluLeuAlaThrCysValThr 160
 Db 1450 GGATCTCTCACCAGCCCCCAATTACCCAAAGCCGATCTCTGAGCTGGCTTATTGTGTGG 1509
 QY 161 HisIleGlnValGluLysAspThrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 Db 1510 CACATACAAAGTGGAGAAAGATTACAGATAAACTAACTTCAAGAGAGATTTTCTCTAGAA 1569

QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
DB 1570 ATAGACAAACAGTGCACAAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
DB 1630 GGCCTGATTGGCAAGCTGTGGCCGTGACTCCACCTTCGAATCGTCATCAAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
DB 1690 CTGACTGTGCTGTCTACAGATTATGCCAAATCTTACCGGGGATTTCTGCTCTCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
DB 1750 ACCCTCAATTTATGAGAAACATCAACACTACATCTTTAACTTGTCTCTTGACAGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
DB 1810 AGAGTTATTATAGCAAAATCTTACTAGAGCTTTTAACTCTAATGGGAATTAATTGCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
DB 1870 CTAAAGACCCCACTTGCAGACCAAAATATCAAAATGTTGTGGAATTTCTGTCCCTCTT 1929
QY 301 AsnGlyCysGlyThrIleAlaLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
DB 1930 AATGATGTGTACATCAGAAAGTAGAGATCAGTCATTTACTTACACCAATATATATC 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
DB 1990 ACCTTTCTGCATCTCAACTCTGAAGTGATCACCCGTGAGAAACAACTCCAGATTATT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
DB 2050 GTGAGTGTGAATGGGACATAATCTTACAGTGAGATATATACATAACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
DB 2110 GTAATACAAAGTCAAAATGCACTGGCAATATATACACAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
DB 2170 AATTCATTGAAAGACTATCTTGAATCAACATATTATGGGATTTGAAACCAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValPheLeuAspThrCys 420
DB 2230 TTTGTTCAAGTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTCTTGTACTCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
DB 2290 AGAGCTCTCCCACTCTGACTTTGCATCTCCAACTACGACCTAATCAAGAGTGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
DB 2350 AGTCAGATGAACCTTGTAGGTGTATCCCTTATTTGGACACTATGGAGATCCAGTTT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
DB 2410 AATGCTTTAAATCTTCAAGATGATGAGCTCTGTGATCTGCAGTGTAAAGTTTGTATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
DB 2470 TGTGATAGCAGTGCACCAAGCTCTCGCTGCAATCAAGGTGTGTCTCCAGAGCAACAGA 2529
QY 501 AspIleSerSerTyrLysThrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
DB 2530 GACATTTCTTCATATAAATGGAAACACAGATCCATCATGAGACCCATTCGTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluThrPro 540
DB 2590 GATCAAGTGCAGTGGCAATTCAGATTTCAGCATGAACACATGCGGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560

DB 2650 AACCAGCCTTTCAACAGTGTGCATCTGTTTCTTCTCATGTTCTAGCTCTGAATGTGGTG 2709
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DB 2710 ACTGTAGGACATACAGTGTGAGCATTTTGTAAATCAACGGCAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
DB 2770 AAGCTGCAGAACTAT 2784
RESULT 3
US-09-902-775A-189
; Sequence 189, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
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; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095

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; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-902-775A-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-902-775A-189 (1-2917)
Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyAlaAsnMetAla 20
Db 1030 ATGCGCGAGGCTGAAGCAATGCAAGCTGCACAGTCAGTCAGTCTAGCGGGTGCCTAATATGGCA 1089
Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrThrThrIle 40
Db 1090 GAGACCCACAAAGCCATGATGCTCGCAACTCAATCCCAAGTGAAGTGCACCTGGAACAATA 1149
Qy 41 GluArgProGluAsnLysSerIleAtrGileLysValPheAspGlyThrSerSerAsnGlyProLeu 60
Db 1150 GAAGACGACGAAACAAACAAACATTAAGTCTTTGACGGAACCTCCAGCAATGGCGCTCTG 1269
Qy 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGCGCTCTG 1269
Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAATTAAGCACTATGTCCTGTATTTGATCAATCAATCCAGTACA 1329
Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATAGTACTGACTCAGCAAGAATTCAAAGAACTGTCTTTGTCTTCTAC 1389
Qy 121 TyrPhePheSerProAsnLysSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCTAAACATCTCTATTCCAACTGTGGCGGTACCTGGATACCTTTGGAA 1449
Qy 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
Db 1450 GGATCCCTTACCAGCCCAATTAACCAAGCGCATCTCTGAGTGGCTTATTGTGTGG 1509
Qy 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPhelyGluIlePheLeuGlu 180
Db 1510 CACATACAAGTGGAGAAGATTAACAGATAAACTTCAAGAGATTTTCTTAGAA 1569
Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGCAACAAGTGCATAATTTGATTTCTGCCATCTATGATGGCCCTCCACCACTCT 1629
Qy 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
Db 1630 GGCCTGATTGACAAAGTCTGTGGCGGTGTGACTCCCACTTCAAGTCTCATCAAACTCT 1689
Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTGCTGTGTCTACAGATTATGCCAATTTCTTACCGGGGATTTCTGTCTTCTAC 1749
Qy 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
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Db 1750 ACCTCAATTTTANGCGAAACATCAACATCTTAACTTGCTCTTCTGACGATG 1809
Qy 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAAGCAAAATCTACCTAGAGGCTTTAACTCTAATGGGAATACTTGCAA 1869
Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAGACCCCACTTGCAGACCAAAATTAACAATGTTGTGGAATTTTCTGCCCTCTT 1929
Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGGATGTGTACAAATCAGAAAGTAGAAGATCAGTCAATTACTTACCAATAAATC 1989
Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTGCATCTCACTTCTGAAGTGATCACCGCTCAGAAACAACCTCCAGATTAT 2049
Qy 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGACATTAATCTCAGTGGAGATATATACATAACAGAGATGAT 2109
Qy 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATAACAAGTCAAAATGCACTGGGCAAAATATAACACCAAGCATGGCTCTTTTGAATCC 2169
Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAAGCATATCTTGAATCACTATTAATGATGATTTGATTTGAACCAACTCT 2229
Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAGTGTAGTCTGCACACCTCAGATCCAAATTTGGTGTGTCTTCTGATACCTGT 2289
Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTTCCACCTCTTGACTTTTGCATCTCCAACTTACCACTTAATCAAGATGGATGT 2349
Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2390 AGTCGAGATGAATCTGTAAGGTGTATCCCTTATTTGGACACTATGGAGATTCAGTTT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTAAATTTCTGAGAAGTATGAGCTCTGTGTATCTGAGTGTAAAGTTTGATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGACCACTGCTGCTGCAATCAAGTTGTCTTCCAGAGCAACGA 2529
Qy 501 AspIleSerSerTyrLysThrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTCATATAAATGAAACACAGATTCCATCATAGACCCATTCCTCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGlnThrHisAlaGluGluThrPro 540
Db 2590 GATCGAGTGCAGTGGCAATTCAGGATTTCAAGTGTGAACACATGCGGAGAAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACAGACCTTTCAACAGTGTGCATCTGTCTTCTTCTCATGTCTTAGCTCTGAATGTGGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGCAAAATCAGATGAGGCAATTTGTAAATCAACGGGCACTACAATACCAAG 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 4
US-09-833-381-1918
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Sequence 1918, Application US/09833381
 Patent No. 6672186
 GENERAL INFORMATION:
 APPLICANT: Robison, Keith E.
 TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
 FILE REFERENCE: 5800-119
 CURRENT APPLICATION NUMBER: US/09/833,381
 CURRENT FILING DATE: 2001-04-11
 PRIOR APPLICATION NUMBER: 09/516,448
 PRIOR FILING DATE: 2000-02-29
 NUMBER OF SEQ ID NOS: 2050
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 1918
 LENGTH: 892
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (1)...(892)
 OTHER INFORMATION: n = A,T,C or G

Alignment Scores:
 Pred. No.: 4,01e-142 Length: 892
 Score: 1290.00 Matches: 259
 Percent Similarity: 94.20% Conservative: 1
 Best Local Similarity: 93.84% Mismatches: 10
 Query Match: 42.10% Indels: 6
 DB: 4 Gaps: 2

US-09-864-711-14 (1-585) x US-09-833-381-1918 (1-892)
 QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
 DB 70 ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCAGGCGGTGCGCAATATGGCA 129
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
 DB 130 GAGACCCACAAAGCCATGATCTGCACTCAATCCAGTGAAGAACTGCACCTGGACAAATA 189
 QY 41 GluArgProGluAsnLysSerIleArgIlePheSerThrValGlnLeuAspProAsp 60
 DB 190 GAAGACACAGAAACAAAGCAATGCAATATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 249
 QY 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 DB 250 GGAAGCTGTGAAGTGAAACATTAAGTCTTGAAGCACTCCAGCAATGGGCTCTG 309
 QY 81 LeuGlyGlnValCysSerLysAsnAspThrValProValPheGluSerSerSerThr 100
 DB 310 CTAGGCGCAAGCTGCAGTAAACACACTATGTCTCTGTTTGAATCATCATCATCATCAT 369
 QY 101 LeuThrPheGlnValThrAspSerAlaArgIleGlnArgThrValPheValPheThr 120
 DB 370 TTGAGTTTCAATAGTAGTACTGACTCAGCAGAGAACTCAAGAACTGCTTTGCTCTTAC 429
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 DB 430 TACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 489
 QY 141 GlySerPheThrSerProAsnThrProLysProHisProGluLeuAlaTyrCysValTrp 160
 DB 490 GGATCTCTTACCAGGCCCAATTACCAGGCCCAATCTGAGCTGGCTTATGTGTGTGG 549
 QY 161 HisIleGlnValGluLysAspThrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 DB 550 CACATACAGTGGAGAAAGATTACAAGATAAACTTAACTTAACTTAACTTAACTTAACTTAA 609
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 DB 610 ATAGACAAACAGTGCAAAATTTGATTTCTTGTGCTTCTTGTGCTTCTTGTGCTTCTTCT 669
 QY 201 GlyLeuIleGlnVal-CysGlyArgVal---ThrProThrPheGlu---SerSerSe 218

RESULT 5
 US-08-470-350B-1
 Sequence 1, Application US/08470350B
 Patent No. 5684126
 GENERAL INFORMATION:
 APPLICANT: Li, Xiao
 TITLE OF INVENTION: Ebnerin: A Secreted von Ebner's Gland
 TITLE OF INVENTION: Protein Associated with Taste Buds
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Banner & Witcoff, Ltd.
 STREET: 1001 G Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20001
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/470,350B
 FILING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Wolfe, Susan A
 REGISTRATION NUMBER: 33,568
 REFERENCE/DOCKET NUMBER: 01107,48790
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-508-9100
 TELEFAX: 202-508-9299
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4360 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHEICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Rattus rattus
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 94...3963
 US-08-470-350B-1

Alignment Scores:
 Pred. No.: 4,11e-88 Length: 4360
 Score: 842.00 Matches: 200
 Percent Similarity: 48.16% Conservative: 127
 Best Local Similarity: 29.46% Mismatches: 193
 Query Match: 27.48% Indels: 160
 DB: 1 Gaps: 14

US-09-864-711-14 (1-585) x US-08-470-350B-1 (1-4360)
 QY 670 GGGCAGATTGACAAATCTTGTGGCCCGTGTGCTGCTCCACCTTCCGAATCCGTCATC 729
 QY 218 rAsnSerLeuThrValVal-LeuSerThrAspTyrAlaAsnSer-TyrArgGly-PheSe 237
 DB 730 AAATCTCTGACTGTGCTGTTTGTCTACAGATTATGCAATTCCTTACCGGGGAAATTC 789
 QY 237 rAlaSerTyrThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSe 257
 DB 790 TGCITTCCTACACCTCAATTTATGGAGAAACATCAACACTACATCTTTTANGTCTCTTC 849
 QY 257 rAspArgMetArgValIleIleSerLysSerTyrLeuGlu 270
 DB 850 TGACAGGATGAGATTATTATAGCAACTCTTACTTAGAG 889

US-09-864-711-14 (1-585) x US-08-470-350B-1 (1-4360)
 QY 670 GGGCAGATTGACAAATCTTGTGGCCCGTGTGCTGCTCCACCTTCCGAATCCGTCATC 729
 QY 218 rAsnSerLeuThrValVal-LeuSerThrAspTyrAlaAsnSer-TyrArgGly-PheSe 237
 DB 730 AAATCTCTGACTGTGCTGTTTGTCTACAGATTATGCAATTCCTTACCGGGGAAATTC 789
 QY 237 rAlaSerTyrThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSe 257
 DB 790 TGCITTCCTACACCTCAATTTATGGAGAAACATCAACACTACATCTTTTANGTCTCTTC 849
 QY 257 rAspArgMetArgValIleIleSerLysSerTyrLeuGlu 270
 DB 850 TGACAGGATGAGATTATTATAGCAACTCTTACTTAGAG 889

QY 36 CysThrTrpThrIleGluArgProGluAsnLysSerIleArgIleIlePheSerTyrVal 55
DB 1918 TGTGTTGTGAAAAATTTTCGTCGCCAGCATGAACCGGTGACAGTGGTCTTCACAGATGTG 1977
QY 56 GlnLeuAspProAspGlySerCysGluSerGluAsnIleLysValPheAspGlyThrSer 75
DB 1978 CAGCTT-----GAGGAGGTTGCAACTATGACTACTACTCTGGGTTTGTGTTGCTCTGAA 2031
QY 76 SerAsnGlyProLeuLeuGlyGlnValCysSer----- 86
DB 2032 TACAATTTCTTCTCTCATCTCGGTTTGTGATGGTCCAAATGGATCTTTCACCTCAACC 2091
QY 87 -----Lys 87
DB 2092 CAGAACTTCATGCTGTAGTCTTTATACAGGATGGCAGTGTACAGAGAGGGTTCCAA 2151
QY 88 AsnAspTyr-----ValProVal 93
DB 2152 GCTGACTACTCTCACTCTATCAGGACCAGCACAACTCTCCCAACGAGCTTCCGATC 2211
QY 94 PheGluSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGln 113
DB 2212 ATTACTGGAATGANTCTTCATTTGCTGTGAGGCTGGTAATGGAACAAACCGGTGTGAG 2271
QY 114 ArgThrValPheValPheTyr----- 120
DB 2272 GCCGAGTGGAGATCTGTACAGAGGCTCTTGGGTACCGTGTGCGCAGCAGCTGGGAC 2331
QY 120 ----- 120
DB 2332 ATCAATGATGCCAAATGTGCTGTGCAGACAGCTCGGTTGTGGCTCTGTCTGTCTGCCA 2391
QY 120 ----- 120
DB 2392 GGAAATGCTTGGTTGGTCAGGGTTCAGGGCTCATGTGCTGGATGATGTGTCTGTCT 2451
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DB 2452 GGGTATGAGTCCACCTGTGGAATGTGTGTACCCGCTGGCTGTGTTTCATAATTTGCTGT 2511
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DB 2512 CATGTTGAGGATCGAGGATCATTTGCTCATCTCCCTGTATCCGACTCCCTCTCTGGTCCA 2571
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
DB 2572 GTTGGACAGTCTCTCTTTCTAACTATCTTGTGGAGGTTTCTGACTGGACTCTCT 2631
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
DB 2632 GGGCAATTTCTAGCCCATACTACCTCGGGAGCTATCTTAATATGCCAGATGTTTGTGG 2691
QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
DB 2692 AACATTTGAATGCCAACCACTACCGCGTACTGTGGTCTTCAGAGATGTG-----CAG 2745
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
DB 2746 CTGGAAGGGGGCTGCAACTATGACTATATAGAGATTTTGTATGGCCCCCAACCAAGTTCA 2805
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
DB 2806 CTTCTCATTTGCCGGGTTTGTGATGGGGCCATGGGCTCTTTTCACTTCAACATCCAACTTC 2865
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
DB 2866 ATGTGAGTTCGCTTCCACTGATCAGTGTACTCGAAGAGGGTTCGGGCTCACTAC 2925
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
DB 2926 TACTCAGACTTT-----GACAATAATACCAATCTCTTGTGTGTCAATCAGATG 2979

QY 261 ArgValIleIleSerLysSerTyrIleuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
DB 2980 AGAGCAGGTGTGAGCAGGAGTACCTTCAGTCCATGGGCTACTCTCCAGGATCTTGTTC 3039
QY 281 LeuLys-----AspProThrCysArgProLysLeuSer-----AsnValValGlu 295
DB 3040 ATTCTGGTTGGACGTGATTTACAGTGTCCAGCTCAGATAACAAAGGAGGTCATCA 3099
QY 296 PheSerValProLeuAsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThr 315
DB 3100 TTCACAAATTCCTTACACAGGCTCGGTACTACCAACACAGGCTGACACAGAGACCAAC 3159
QY 316 TyrThrAsnIleIleThrPheSerAlaSerThrSerGluValIleThrArgGlnLys 335
DB 3160 TACTCCAACTTCTC-----AAAGCGCTGTTTCAATGGCATCATCAAGAGGAGAA 3213
QY 336 GlnLeuGlnIleIleValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyr 355
DB 3214 GATCTCCACATCTCATCTGCTCAAGATGCTTCAAGAACACCTGGGTCAACACCATGTAC 3273
QY 356 IleThrGluAspAspValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMet 375
DB 3274 ATCAACAAACACACATCGAGATCCAGGAAGTCCAGTATGGCAATTTGACGTGAATAT 3333
QY 376 AlaLeuPheGluSerAsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAsp 395
DB 3334 TCCTTTTATACATCTCTCTTCTTGTATCCAGTGACCCAGCAGCCCATATATGTGGAT 3393
QY 396 LeuAsnGlnThrLeuPheValGlnValSerLeuHisThrSerAspProAsnLeuValVal 415
DB 3394 CTGACACAGAAATTTGACCTTCAGGCCGAAAGTCCCTCATTCGGATACCTCTTGGCTGTG 3453
QY 416 PheLeuAspThrCysArgAlaSerPro-----ThrSerAspPheAlaSerProThrTyrAsp 434
DB 3454 TTTGTGGACACCTGTGTGGCTTCGCCACATCCCACTGCTCTCTGTTGACATATGAT 3513
QY 435 LeuIleLysSerGlyCysSerArgAspGluThrCysLysValTyr-----Pro 450
DB 3514 CTCATCAGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 3573
QY 451 LeuPheGlyHisTyrGlyArgPheGlnPheAsnAlaPheLysPheLeuArgSerMetSer 470
DB 3574 -----CGCATCACCCGCTTTAAATTCAGTCTCTTCCACTTCTGACCGCTTCCCC 3624
QY 471 SerValIleuGlnCysLysValLeuIleCysAspSerSerAspHisGlnSerArgCys 490
DB 3625 TCAGTATACCTACAGTGAATGTTGTGGTGTGTGTGGAGCAACAGATGTCTCTCCACGGTGC 3684
QY 491 AsnGluGlyCysValSerArgSerLysArgAspIleSerSerTyrLysTrpLysThrAsp 510
DB 3685 TACAGAGGATGTGTAGTAGGTCCAGAGGGATGTAGGCTCTCTACCAAGAAAGGTGGAT 3744
QY 511 SerIleIleGlyProIleArgLeuLysArgAspArgSerAlaSer-GlyAsnSerGlyPh 530
DB 3745 GTTGTCTGGAGCCCATCCAGTTGCAATCTCCAGCAAGAAAGAGGAGTCTCGACTTG 3804
QY 530 eGlnHisGluThr-----HisAlaGluThrProAsnGlnProPheAsnSerValHisLe 549
DB 3805 GCAGTGGCAGATGTGGAGAGCCAGCCAGCTCCAGGAGGTCTATCCACATCGAGCCAT 3863
QY 549 uPheSerPheMetValLeuAlaLeuAsnValValThrValAlaThrIleThrVal 567
DB 3864 CTTTGGTGGAGTCTCTGGCCCTG-----GTTGTAGTGTGGAGGCTTCACACTG 3915

RESULT 6

US-09-341-587-4

; Sequence 4, Application US/09341587

; Patent No. 6345606

; GENERAL INFORMATION:

; APPLICANT: Mollenhauer, Jan

; TITLE OF INVENTION: Protein Containing an SRCR Domain

; FILE REFERENCE: 4121-108

; CURRENT APPLICATION NUMBER: US/09/341,587


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/ CURRENT FILING DATE: 1999-08-31
/ EARLIER APPLICATION NUMBER: PCT/DE98/00096
/ EARLIER FILING DATE: 1998-01-09
/ NUMBER OF SEQ ID NOS: 12
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 4
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ US-09-341-587-4

Alignment Scores:
Pred. No.: 2,628-87 Length: 5802
Score: 837.00 Matches: 186
Percent Similarity: 49.12% Conservative: 122
Best Local Similarity: 29.67% Mismatches: 161
Query Match: 27.32% Indels: 158
DB: 4 Gaps: 13

US-09-864-711-14 (1-585) x US-09-341-587-4 (1-5802)

QY 36 CysThrTrpThrIleGluArgProGluAsnLysSerIleArgIleIlePheSerTy-Val 55
Db 3596 TGTGTTGGGAATAGAGTGAATCTGTTATCGCATAAACCTGGGCTTCAGTAATCTG 3655
QY 56 GlnLeuAppProAspGlySerCysGluSerGluAsnIleLysValPheAppGlyThrSer 75
Db 3656 AAAATGGAGGACACCAATACGATGCTTTGATTATGTTGAATCTTTGATGATCATTTG 3715
QY 76 SerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTy-ValProValPheGlu 95
Db 3716 AATACGATCTCTCTCTGGGMAATCTGT-----AATGATACGACCAAAATTTACA 3769
QY 96 SerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThr 115
Db 3770 TCTCTTACACCGAATGACCATTCACATTCGAAGTGACATCAST---TTCAAAACACT 3826
QY 116 ValPheValPheTy-PhenPheSerPro----- 125
Db 3827 GCCTTTTGGCTTGGTATTAATCTCTCCACGAGATGCCCTTGAGGTGGTCAATTTA 3886
QY 125 ----- 125
Db 3887 AATTCACTCATGTGTATGTGCGGGCTGTAGAAATTTACCATGTGGACCTGGGG 3946
QY 125 ----- 125
Db 3947 ACAGTTTGTGATGACTCTCTGGACCATTCAGGAAGCTGAGGTGCTGCGACACGCTAGGG 4006
QY 125 ----- 125
Db 4007 TGTGGACGTGCAGTTTTCAGCCCTTGGAAATGCAATATTTGGCTCTGGCTCTGGCCCATC 4066
QY 125 ----- 125
Db 4067 ACCCTGGACGATGTAGAGTGTCTCAGGACGGAATCCACTCTCTGGCAGTGGCGGAACCGA 4126
QY 125 ----- 125
Db 4127 GCGTGGTTCTCCCAACATGTAATCATCGTGAAGATGCTGGTGCATCTGCTCAGGAAC 4186
QY 126 -----AsnIleSerIleProAsn-----Cys 132
Db 4187 CATCTATCGACACCTGCTCTCTTTCTCAACATCACCCGTCACAAACACAGATTAATTCCTGC 4246
QY 133 GlyGlyTy-ValLeuAspThrLeuGluGlySerPheThrSerProAsnTy-ValProLysProHis 152
Db 4247 GGAGGCTTCTATCCCAACCATCAGGAGACTTTCCAGCCCATCTCTATCCCGGGAATAT 4306
QY 153 ProGluLeuAlaTy-CysValTrpHisIleGlnValGluLysAspTy-ValLysLeu 172
Db 4307 CCAAAACAAATGCCAAGTGTGTGGGACATGTGAGGTGCAAAACAACTACCGTGTGACTGTG 4366
```

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QY 173 AsnPheLysGluIlePheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIle 192
Db 4367 ATCTTCAGAGATGTC-----CAGCTTGAAGGTGCTCAACTATGATTATATTGAAGTT 4420
QY 193 TyrAspGlyProSerThrAsnSerGlyLeuIleGlnValCysGlyArgValThrPro 212
Db 4421 TTCGATGGCCCTACCGCAGTTCCCTCTCATCTGCTGAGTTTGTGATGGGCGCAGAGGC 4480
QY 213 ThrPheGluSerSerAsnSerLeuThrValValLeuSerThrAspTy-ValAlaAsnSer 232
Db 4481 TCTTCACCTTCTCTCTCAACTCATGTCATTCGCTTCATCATGACGACCAACGATCATCA 4540
QY 233 TyrArgGlyPheSerAlaSerTy-ValIleValGluAsnIleAsnThrThrSer 252
Db 4541 AGGAGAGGCTTCCGGGCTGAGTACTCTCC-----AGTCCCTCCAATGACAGCACCAAC 4594
QY 253 LeuThrCysSerSerAspArgMetArgValIleIleSerLysSerTy-ValGluAlaPhe 272
Db 4595 CTGCTCTGTCTGTCGCAATCATGCAAGCAGTGTGAGCAGGAGCTATCTCCATCTCTTG 4654
QY 273 AsnSerAsnGlyAsnAsnLeuGlnLeuLysAsp-----ProThr-CysArgPro 288
Db 4655 GCGTTTCTGCGCAGTACCTTGTCTATTCACCTGGAATGATGATACGAGTGTGCGGCC 4714
QY 289 LysLeuSer---AsnValValGluPheSerValProLeuAsnGlyCysGlyThrIleArg 307
Db 4715 CAGATAACGCCGACCTGCTGATATTCAAAATTCCTACTCAGGCTGGCGCACCTTCAAG 4774
QY 308 LysValGluAspGlnSerIleThrThrAsnIleIleThrPheSerAlaSerSerThr 327
Db 4775 CAGGCAGACATGACACCATCACTATTCACACTCTCTCACA-----GCAGCTGTCTCA 4828
QY 328 SerGluValIleThrArgGlnLysGlnLeuIleValLysCysGluMetGlyHis 347
Db 4829 GGTGGCATCATCAAGAGAGAGACAGACCTCGTATTCAGTCACTGAGATGCTTCAG 4888
QY 348 AsnSerThrValGluIleIleTy-ValThrGluAspValIleGlnSerGlnAsnAla 367
Db 4889 AACACCTGGTGCAGACCATGTACATTCGTAATACACCATCCACGCTGCTTAATAACACC 4948
QY 368 Leu-----GlyLysTy-ValAsnThrSerMetAlaLeuPheGluSer 380
Db 4949 ATCCAGTTCGAGGAAGTCCAGTATGGCAATTTTGAAGTGAACATTTCTCTTTTACTTCC 5008
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTy-ValAspLeuAsnGlnThrIleu 400
Db 5009 TCATCTTTCTGTATCTGTGTGACCGCCCTTACTACGTGGACCTGAAACGAGACTTG 5068
QY 401 PheValGlnValSerLeuHisThr-SerAspProAsnLeuValValPheLeuAspThrCys 420
Db 5069 TACGTTTCAGCTGAAATCTCTCCATCTGATGCTGACTGACCTTGTGTGGACACCTGC 5128
QY 421 ArgAlaSerPro---ThrSerAspPheAlaSerProThrTy-ValLeuLysSerGly 439
Db 5129 GTGGCATCACCATATCTCCATGACTTCACGCTTTGACTTATGATTAATCCGAGTGA 5188
QY 440 CysSerArgAspGluThrCysLysValTy-ValProLeuPheGlyHisTy-Val 455
Db 5189 TCGTGGAGGATGACAC-----TACGGACCTTACTCTCTCCCGCTCT 5230
QY 456 -----GlyArgPheGlnPheAsnAlaPheLysPheLeuArgSerMetSerSerVal 472
Db 5231 CTTTCGCAATTTGCGGCTTCGGGCTTCAGGCTTCTCACTTCTTGAACCGCTTCCCTCGGTG 5290
QY 473 TyrLeuGlnCysLysValLeuIleCysAspSerSerAspHisGlnSerArgCysAsnGln 492
Db 5291 TACCTCGGTTGTAAATAGTGTGTGTCAGAGCGTATGACCCCTTCTCCCGTGTCTACGA 5350
QY 493 GlyCysValSerArgSerLysArgAspIleSerSerTy-ValTrpLysThrAspSerIle 512
Db 5351 GCGTGTGTGTTGAGTCCGAGAGGATGTGGGCTCTTACCAGGAAAGAGTGCAGTGTGTC 5410
QY 513 IleGlyProIleArgLeuLys 519
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Db      5411  CTGGTCCCATCCAGCTGCAG 5431
RESULT 7
US-09-976-594-272
; Sequence 272, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 272
; LENGTH: 5943
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 238660.5
US-09-976-594-272

Alignment Scores:
Zred. No.:      2,73e-87      Length:      5943
Score:          837.00      Matches:      186
Percent Similarity: 49.12%      Conservative: 122
Best Local Similarity: 29.67%      Mismatches: 161
Query Match:      27.32%      Indels:      158
DB:              4          Gaps:        13

US-09-864-711-14 (1-595) x US-09-976-594-272 (1-5943)

Qy      36  CysThrTrpThrIleGluArgProGluAsnLysSerIleArgIleIlePheSerTyrVal 55
Db      3738  TGTGTTGGGAAATAGAGTGAATCTGTTGTTATCGCATAAACCTGGGCTTCAGTAATCTG 3797

Qy      56  GlnLeuAspProAspGlySerCysGluSerGluAsnLysValPheAspGlyThrSer 75
Db      3798  AAATGGGAGCACACCAATAACTGAGTTTGGATTATGTTGAAATCTTTGATGATCATTTG 3857

Qy      76  SerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrValProValPheGlu 95
Db      3858  AATAGCAGTCTCTGCTGGGAAATCTGT-----AATGATACCAGGCAAAATTTTACA 3911

Qy      96  SerSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnA-gThr 115
Db      3912  TCTTCTTACACCAAGATGACCAATTCACCTTTTCGAGTGCATCAGT---TTCCAAACACT 3968

Qy      116  ValPheValPheTyrTyrPhePheSerPro----- 125
Db      3969  GCCTTTTGGCTTGGTATGATTAATCTCTCCAGCATGCCACCTTGGTGGTTCATTTTA 4028

Qy      125  ----- 125
Db      4029  AATTCATCCTATGGTCTATGTGCGGGCGGTGTAGAAATTTTACCATGTGTGGCACTGGGG 4088

Qy      125  ----- 125
Db      4089  ACAGTTTGTGATGACTCTCGGACCAATTCAGGAAGCTGAGTGTGTCTGCAGACAGTAGGG 4148

Qy      125  ----- 125
Db      4149  TGTGACGTGCAGTTTCAGCCCTTGGAAATGCAATTTTGGCTCTGGCTCTGGCCCATC 4208

Qy      125  ----- 125
Db      4209  ACCCTGGACGATGTAGAGTGTCTAGGACCGAATCCACTCTCTGGCAGTCCGGAGCCGA 4268

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Qy      125  ----- 125
Db      4269  GGCTGGTTCTCCCACTGTAATCATCGTGAAGATGCTGGTGCATCTGCTCAGGAAC 4328

Qy      126  -----AsnIleSerIleProAsn-----Cys 132
Db      4329  CATCTATGCACACCTGCTCCTTTTCTCAACATCACCCGTCCAAACACAGATATTCTCTGC 4388

Qy      133  GlyGlyTyrLeuAspThrLeuGluGlySerPheThrSerProAsnTyrProLysProHis 152
Db      4389  GGAGGCTTCTATCCCAACCATCAGGGAGCTTTTCCAGCCCATCTCTATCCCGGAATAT 4448

Qy      153  ProGluLeuAlaTyrCysValTyrHisIleGlnValGluLysAspTyrLysIleLysLeu 172
Db      4449  CCAAAACAATGCCAAGTGTGTGGGACATTGAGTGCAGAAACAACTACCGTGTGACTGTG 4508

Qy      173  AsnPheLysGluIlePheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIle 192
Db      4509  ATCTTCAGAGATGTC-----CAGTTGAAGGTGCTGCACTATGATTATATTGAAGTT 4562

Qy      193  TyrAspGlyProSerThrAsnSerGlyLeuIleGlnValCysGlyArgValThrPro 212
Db      4563  TTCGATGCCCTTACCGCAGTTCCTCTCATTTGCTGAGTTTGTGATGGGGCCAGAGGC 4622

Qy      213  ThrPheGluSerSerSerAsnSerLeuThrValValLeuSerThrAspTyrAlaAsnSer 232
Db      4623  TCTTCACTTCTTCTCCAACTTCATGTCCTTTCATCAGTGCAGTGCAGTGCAGTGCAG 4682

Qy      233  TyrArgGlyPheSerAlaSerTyrThrSerIleTyrAlaGluAsnIleAsnThrThrSer 252
Db      4683  AGGAGAGGGTTCCGGGCTGAGTACTCTCC-----AGTCCCTCCAATGACAGCACAAC 4736

Qy      253  LeuThrCysSerSerAspArgMetArgValIleIleSerLysSerTyrLeuGluAlaPhe 272
Db      4737  CTGCTCTGTCGCCAAATCATCATGAGCCAGTGTGAGCAGGAGTATCTCAATCTCTG 4796

Qy      273  AsnSerAsnGlyAsnAsnLeuLysAsp-----ProThrCysArgPro 288
Db      4797  GGCTTTTCTGCCAGTACCTTGTCTATTTCCACCTGGAATGATGATACAGAGTGTGCGCC 4856

Qy      289  LysLeuSer-----AsnValValGluPheSerValProLeuAsnGlyCysGlyThrIleArg 307
Db      4857  CAGATAACGCCGAACCTGGTATATTCACAAATCCCTTACTCAGCTCGGCGACCTTCAAG 4916

Qy      308  LysValGluAspGlnSerIleTyrThrAsnIleIleThrPheSerAlaSerThrSer 327
Db      4917  CAGGACAGACATGACACCATGCTATTCACACTTCTCTCACA-----GCAGCTGTCTCA 4970

Qy      328  SerGluValIleThrArgGlnLysGlnLeuGlnIleIleValLysCysGluMetGlyHis 347
Db      4971  GGTGGCATCATCAAGAGAGGAGGACAGACCTCGTATTCAGCTCAGCTCAGAAATCTTTCAG 5030

Qy      348  AsnSerThrValGluIleIleTyrIleThrGluAspAspValIleGlnSerGlnAsnAla 367
Db      5031  AACACCTGGTGCACACCATGATCATTTGCTAATGACCACTCCAGTGTGCTAATAACACC 5090

Qy      368  Leu-----GlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db      5091  ATCCAGGTCGAGGAAGTCCAGTATGGCAATTTTCACTGGAACATTTCTCTTTTACTTCC 5150

Qy      381  AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db      5151  TCATCTTTCTTGTATCTGTGACCCAGGCGCTTACTACGTTGGACCTGGAACAGACTTG 5210

Qy      401  PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db      5211  TACGTTTCAAGGTGAAATCTCTCATTTCTGATGCTGCTGACTGCTTGTGTGTGACACCTGC 5270

Qy      421  ArgAlaSerPro-----ThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGly 439
Db      5271  GTGGCATCACCATACTCCAATGACTTCACTGCTTGTGACTTATGATCATTAATCCGAGTGA 5330

Qy      440  CysSerArgAspGluThrThrCysLysValTyrProLeuPheGlyHisTyr----- 455

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Db 5331 TCGGTGAGGATGACACC .....TACGGACCCCTACTCCTCCGCATCT 5372
Qy 456 -----GlyArgPheGlnPheAsnAlaPheLysPheLeuArgSerMetSerSerVal 472
Db 5373 CTTGCAATGCCCGTTCCGGTTACGGCTTCCACTTCTTGACCCGTTCCCTCCGTG 5432
Qy 473 TyrLeuGlnCysGlyValLeuLeuCysAspSerSerAspHisGlnSerArgCysAsnGln 492
Db 5433 TACCTGCGTTGTAATAATGGTGTGCAGAGGATGACCCCTCTTCCCGCTGTACCGA 5492
Qy 493 GlyCysValSerArgSerLysArgPheLeuSerSerTyrLysTrpLysThrAspSerIle 512
Db 5493 GCGTGTGTTGAGGTCGAGAGGATGGGCTCTACCAAGAAAAGGTGAGCTGCTC 5552
Qy 513 IleGlyProIleArgLeuLys 519
Db 5553 CTGGGTCCCATCCAGCTGCAG 5573

RESULT 8
US-09-833-381-1917
; Sequence 1917, Application US/09833381
; Patent No. 6672186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1917
; LENGTH: 518
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(518)
; OTHER INFORMATION: n = A,T,C or G
US-09-833-381-1917

Alignment Scores:
Pred. No.: 3,75e-73 Length: 518
Score: 701.50 Matches: 142
Percent Similarity: 97.28% Conservative: 1
Best Local Similarity: 96.60% Mismatches: 4
Query Match: 22.89% Indels: 3
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-833-381-1917 (1-518)
Qy 56 GlnLeuAspProAspGlySerCysGluSerGluAsnIleLysValPheAspGlyThrSer 75
Db 79 AGCTTGATCCAGTGGAGCTGTGAACTGAAACATTAAAGTCTTTGACGGAACTCC 138
Qy 76 SerAsnGlyProLeuLeuGlnValCysSerLysAsnAspTyrValProValPheGlu 95
Db 139 AGCAATGGGCTCTGTAGGGCAAGTCTCAGTAAACACACTATGTTCTGTATTGAA 198
Qy 96 SerSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThr 115
Db 199 TATCATCCAGTACATGACGTTTCAATAGTACTGACTCAGCAAGAAATCAAGAAGT 258
Qy 116 ValPheValPheTyrThrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyr 135
Db 259 GTCCTTGCTTCTACTACTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 318
Qy 136 LeuAspThrLeuGluCysSerPheThrSerProAsnTyrProLysProHisProGluLeu 155
Db 319 CTGGATACCTTGAAGGATCCTTCCACAGCCCAATATCCCAAGCCGACCTCTGAGCTG 378
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RESULT 9

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US-09-341-587-2
; Sequence 2, Application US/09341587
; Patent No. 6346606
; GENERAL INFORMATION:
; APPLICANT: Mollenhauer, Jan
; TITLE OF INVENTION: Protein Containing an SRCR Domain
; FILE REFERENCE: 4121-108
; CURRENT APPLICATION NUMBER: US/09/341,587
; CURRENT FILING DATE: 1999-08-31
; EARLIER APPLICATION NUMBER: PCT/DE98/00096
; EARLIER FILING DATE: 1998-01-09
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 2001
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-341-587-2

Alignment Scores:
Pred. No.: 6,67e-45 Length: 2001
Score: 470.50 Matches: 111
Percent Similarity: 44.03% Conservative: 92
Best Local Similarity: 24.08% Mismatches: 121
Query Match: 15.36% Indels: 137
DB: 4 Gaps: 9

US-09-864-711-14 (1-585) x US-09-341-587-2 (1-2001)
Qy 36 CysThrTrpThrIleGluArgProGluAsnLysSerIleArgIleIlePheSerTyrVal 55
Db 640 TGTGTTTGGAAATAGAACTGAATTCGTATATGCATATAAACCTGGGCTTCAGTAATCTG 699
Qy 56 GlnLeuAspProAspGlySerCysGluSerGluAsnIleLysValPheAspGlyThrSer 75
Db 700 AAATTGGAGGCACCACTAACTGCAGTTTGTATGTTGAAATCTTTGATGGATCATG 759
Qy 76 SerAsnGlyProLeuLeuGlnValCysSerLysAsnAspTyrValProValPheGlu 95
Db 760 AATAGCAGTCTCTGCTGGGAAATCTGT-----AATGATACCGAGCAATATTTACA 813
Qy 96 SerSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThr 115
Db 814 TCTTCTTAACCGAATGACCATTCACCTTCGAGTGCATCAGT-----TTCCAAACACT 870
Qy 116 ValPheValPheTyrThrPhePheSerPro----- 125
Db 871 GGCTTTTGGCTTGTGTATAACTCTCTCCCAAGCGATGCCACTTGAGGTGTGTCAATTATA 930
Qy 125 ----- 125
Db 931 AATTCACTTATGTTCTATGTGTCGGGCGTGTAGAAATTTTACCATGTGTGGACCTGGGGG 990
Qy 125 ----- 125
Db 991 ACAGTTTGTGATGACTCTCTGGACCATTACAGGAAGCTGAGTGTGTCTGCAGACAGCTAGG 1050
Qy 125 ----- 125
Db 1051 TGTGAGCGTGCAGTTCAGCCCTTGGAAATGCATATTTTGGCTCTGGCTCTGGCCCCATC 1110
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QY 125 ----- 125
Db 1111 ACCCTGGACGATGTAGAGTGTCTCAGGACGAATCCACTCTCTGGCAGTCCGGACCGA 1170
QY 125 ----- 125
Db 1171 GGCTGGTTCTCCCAACATGTAATCATCGTGAAGATGCTGGTGTCTCTCAGGAAC 1230
QY 126 ----- 126
Db 1231 CATCTATCGACACCTGCTCTCTCTTCTCAACATCACCCTGTCACCAACACAGATTAATTCCTGC 1290
QY 133 GlyGlyTyrLeuAspThrLeuGluGlySerPheThrSerProAsnTyrProLysProHis 152
Db 1291 GGAGCTTCCTATCCCAACCATCAGGAGCTTTTCCAGCCATCTCTATCCGGAACTAT 1350
QY 153 ProGluLeuAlaTyrCysValTrpHisLeuValGluLysAspTyrLysLeu 172
Db 1351 CCAACAATGCCAAGTGTGTGGACATTGAGGTGCAAAACAACACTACCGTGTGACTGTG 1410
QY 173 AsnPheLysGluLeuPheLeuGluLeuAspLysGlnCysLysPheAspPheLeuAla 192
Db 1411 ATCTTCAGAGATGTC-----CAGCTTGAAGGTGGCTGCAACTATGATTAATATGAAGTT 1464
QY 193 TyrAspGlyProSerThrAsnSerGlyLeuLeuGlyGlnValCysGlyArgValThrPro 212
Db 1465 TTCGATGCCCTTACCGCAGTTCCTCTCTATCTCGAGTTGTGATGGGCGCAGAGGC 1524
QY 213 ThrPheGluSerSerSerAsnSerLeuThrValValLeuSerThrAspTyrAlaAsnSer 232
Db 1525 TCCCTTCACCTTCTCTCCCAATTCATGCTCCATTCGCTTCCATGACGACCATCACA 1584
QY 233 TyrArgGlyPheSerAlaSerTyrThrSerIleTyrAlaGluAsnIleAsnThrThrSer 252
Db 1595 AGGAGAGGTTCCGGGCTGAGTACTCTCC-----AGTCCCTCCATGACGACCAAC 1638
QY 253 LeuThrCysSerSerAspArgMetArgValIleLeuSerLysSerTyrLeuGluAlaPhe 272
Db 1639 CTGCTCTGTCTGCGCAAAATCATCATGCAAGCCAGTGTGACGAGGAGCTATCTCCAATCCTG 1698
QY 273 AsnSerAsnGlyAsnAsnLeuGlnLeuLysAsp-----ProThrCysArgPro 288
Db 1699 GGCTTTCTGCAGTGCAGCTTGTCTATTCACCTGGAAATGATGATACAGAGTGTGCGCC 1758
QY 289 LysLeuSer-----AsnValValGluPheSerValProLeuAsnGlyCysGlyThrIleArg 307
Db 1759 CAGATAACCGCAACCTGGTGATATTCACAATTCCTTACTCAGGCTGCGCACCTTCAAG 1818
QY 308 LysValGluAspGlnSerIleThrThrAsnIleIleThrPheSerAlaSerThr 327
Db 1819 CAGCAGACATGACACCATCGACTATTCCAACTTCTCTCA-----GCAGTGTCTCA 1872
QY 328 SerGluValIleThrArgGlnLysGlnLeuGlnIleIleValLysCysGluMetGlyHis 347
Db 1873 GGTGGCATCATCAAGAGGAGGACAGACCTCGGATTCACGTACGTCAGAAATGCTTCAG 1932
QY 348 AsnSerThrValGluIleIleTyrIleThrGluAspValIleGlnSerGlnAsnAla 367
Db 1933 AACACCTGGGTGCGACCATGATGCTAATGACACCATCCACGTTGCTAATAACACC 1992
QY 368 Leu 368
Db 1993 ATC 1995

RESULT 10

US-09-341-461-1
; Sequence 1, Application US/09341461
; Patent No. 6586389
; GENERAL INFORMATION:
; APPLICANT: Hammond, Timothy G.
; APPLICANT: Verroust, Pierre J.
; TITLE OF INVENTION: Cubilin Protein, DNA Sequences Encoding Cubilin

; TITLE OF INVENTION: and Uses Thereof
; FILE REFERENCE: D6148
; CURRENT APPLICATION NUMBER: US/09/341,461
; CURRENT FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: PCT/US99/01259
; PRIOR FILING DATE: 1999-01-21
; NUMBER OF SEQ ID NOS: 40
; SEQ ID NO 1
; LENGTH: 11272
; TYPE: DNA
; ORGANISM: rat
; FEATURE:
; OTHER INFORMATION: nucleic acid sequence of rat cubilin
; US-09-341-461-1

Alignment Scores:

Pred. No.: 9,83e-23 Length: 11272
Score: 293.50 Matches: 100
Percent Similarity: 45.96% Conservative: 65
Best Local Similarity: 27.86% Mismatches: 147
Query Match: 9.58% Indels: 47
DB: 4 Gaps: 16

US-09-864-711-14 (1-585) x US-09-341-461-1 (1-11272)

QY 4 AlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAlaGluThrHis 23
Db 4840 GCTGAATTCAGGAGAGATGTC-----GGAGCCGCATCATGACCGCATCTTCC 4887
QY 24 LysAlaMetIleLeuGlnLeuAsnPro-----SerGluAsnCysThrTrp 38
Db 4888 GATACATCTCTCTCCACTGTACCTCACAACATATCTACACAACCAAGAACTGTTCTGG 4947
QY 39 ThrIleGlu---ArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeu 57
Db 4948 ATAATTGAAGCTCAGCCTCCATTCATCATCACTACTCTCTCTTACTCTCACTTTCAACT 5007
QY 58 AspProAspGlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsn 77
Db 5008 CAAAACAGACACAGACTGTACACGGGACTTTGTAGAAATTTGGATGGCAACGACTATGAC 5067
QY 78 GlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSer 97
Db 5068 GCACCTGTCCAAGCCGCTACTGTGGTTCTCTCCCTGCCACCCACATATA---TCATTT 5124
QY 98 SerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPhe 117
Db 5125 GGCATGCGCTTAAACGTCAGGTTGTCTACTGATTCACACGCGAGTTTGAGGGTTCCGT 5184
QY 118 ValPheTyrTyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAsp 137
Db 5185 GCCATCTAT-----TCTGCATCGACATCATCTTGTGGTGAAGCTTCTAC 5229
QY 138 ThrLeuGluGlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyr 157
Db 5230 ACATTTGATGACATCTTCAATAGCCCGACCTACCCAGACACTACCATCCAAATGCGAA 5289
QY 158 CysValTrpHisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIle 177
Db 5290 TGTGTCTGGAACATTTGCCAGCTCCCTGGCAACCGCTGCAACTGTCTCTCTATCTCTTC 5349
QY 178 PheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSer 197
Db 5350 AATTGGAGAAATCTCTAAACGTGAACAGGATTTGTGAAATTCGAGAAAGAAATGCC 5409
QY 198 ThrAsnSerGlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSer 217
Db 5410 ACGGCGCAC---TTGATTGGACGATAGTGTGAAACCTCCCTCCCTGGGAATTAATCTGCA 5466
QY 218 Ser-----AsnSerLeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGly 235
Db 5467 GCTGAGGACATAGTCTATGCTCCGATTTGTCTCTGATGGCTCAGCAGCACTGGCATGGC 5526

QY 236 PheSerAlaSerTyrThrSerIleTyrAlaGluAsn-----IleAsnThrThrSerLeu 253
Db 5527 TTCCAGGCCAGGTTCAAAATAATATTGGCATAATAATATTGTGGGAACATCATGGGAAA 5586
QY 254 ThrCysSer-----SerAspArgMetArgValIleIle 264
Db 5587 ATCGCATCTCCCTTCGGCCTGGAAATACCCCTACAACTCCAATTCAAAATGGTGGTA 5646
QY 265 SerLysSerTyrLeuGluAlaPheAsn---SerAsnGlyAsnAsnLeuGlnLeuLys--- 282
Db 5647 AAT-----GTGGACGCATATCATATATCCACGGTAGAATCTTAGAGATGGACATA 5697
QY 283 AspProThrCysArg-----ProLysLeuSerAsnValValGluPheSer 297
Db 5698 GAACCCACACCAACTGCTTTATGACAGTTTAAGATTATGATGGATTTCACACTCAT 5757
QY 299 ValProLeuAsnGly-----CysGlyThrIleArgLysValGluAspGlnSerIleThr 315
Db 5758 TCCCGTCTCATTTGGCACTTACTGTGTGACC-----CAGACAGAAATCCTTTAGC 5805
QY 316 TyrThr---AsnIleIleThrPheSerAlaSerThrSerGluValIleThrArg 333
Db 5806 TCCAGTAGAAATATCTGACATTCAGATTTCTTCCGACTCTCTGTGTGTCAGGAAG 5862

RESULT 11

US-08-866-650-2
; Sequence 2, Application US/08866650
; Patent No. 5919321
; GENERAL INFORMATION:
; APPLICANT: Greenspan, Daniel S
; APPLICANT: Takahara, Kazuhiko
; APPLICANT: Hoffman, Guy G
; TITLE OF INVENTION: Mammalian Tolloid-Like Protein
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53703
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/866,650
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Berson, Bennett J
; REGISTRATION NUMBER: 37094
; REFERENCE/DOCKET NUMBER: 960296.93839
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4771 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 611..3652
; OTHER INFORMATION: /product= "murine mt11 protein"
US-08-866-650-2

Alignment Scores: 2.54e-23 Length: 4771
Pred. No.: 293.00 Matches: 79
Score:

Percent Similarity: 40.91% Conservative: 47
Best Local Similarity: 25.65% Mismatches: 120
Query Match: 9.56% Indels: 62
DB: 2 Gaps: 9
US-09-864-711-14 (1-585) x US-08-866-650-2 (1-4771)
QY 32 ProSerGluAsnCysThrThrIleGluArgProGluAsnLysSerIleArgIleIle 51
Db 2060 CCAATGAAGGAGTGTGTATGGAATAATATGTTGTCGAGGGCTACCATGTGGACTGACC 2119
QY 52 PheSerTyrValGlnLeuAspProAspGlySerCysGluSerGluAsnIleLysValPhe 71
Db 2120 TTTCAGCCCTTTGAGATCGAAGACATGACAGCTGTGCTATGACCCTAGACCTAGAGTTGCA 2179
QY 72 AspGlyThrSerSerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrVal 91
Db 2180 GATGGAGCCAGTGAGACAGACCCCTTTGATAGACCGTCTCTGTGT---TATGACAAACCT 2236
QY 92 ProValPheGluSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArg 111
Db 2237 GAAGATATAAGTCTACTTCCAAACACCTGTGGATGAAGTTGTCTCTGACGGGACT--- 2293
QY 112 IleGlnArgThrValPheValPheTyrTyrPhe----- 122
Db 2294 GTGAACAAGGCAGGCTTCTCGGAACCTTTTAAAGAGGAGAGATGAGTGTGCCAAACCT 2353
QY 123 -----Phe 123
Db 2354 GACCGAGGAGGCTGTGAACAGAGGTGTCTTAACACACTAGGCAGCTACAGTGTGCCTGT 2413
QY 124 SerProAsnIleSerIle---ProAsn-----CysGlyGlyTyr 135
Db 2414 GAGCTGTGCTATGAACTGGGCCAGACAGAGAAGCTGTGAAGCTGTTCGGAGGACTT 2473
QY 136 LeuAspThrLeuGluGlySerPheThrSerProAsnTyrProLysProHisProGluLeu 155
Db 2474 CTGACGAAGCTCAATGGCACCATAACACCCCGCTGGCCCAAGAGTAGTACCTCCAAAC 2533
QY 156 AlaTyrCysValTyrHisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLys 175
Db 2534 AAAAACTGTGTGTGCAAGTGATCGGCCAAGCCAGTACAGAACTCTGTGAAGTTTGAG 2593
QY 176 GluIlePheLeuGluIleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGly 195
Db 2594 TTTTGTGAATTGGAAGGCAATGAGTTTGCAATACGATTACGTGGAGATCTGGAGCGGC 2653
QY 196 ProSerThrAsnSerGlyLeuIleGlyGlnValCysGlyArgValThrPro---ThrPhe 214
Db 2654 CCTTCTCTGAGTCTAAACTGCATGGCAAGTTCTGTGGCGCTGCACATACCTGAAAGTGATG 2713
QY 215 GluSerSerSerAsnSerLeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArg 234
Db 2714 ACTTCCATTTCACACATGAGGATTGAATTCAGTCAGACACACACTGTATCCAGAAG 2773
QY 235 GlyPheSerAlaSerTyrThrSer-----Ile 243
Db 2774 GGCITCAAAGCACATTTTCTCTCAGATAAGGATGAGTTCAAAGGATAATGGTGTGT 2833
QY 244 TyrAlaGluAsnIleAsnThrThr---SerLeuThrCysSerSerAspArgMetArgVal 262
Db 2834 CAGCATGAGTGTGTCAACACCATGGAAGTTACAGTGTCTAGTGC----- 2878
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Db 2879 -----CGGAATGGATTTCGTGTGATGAGACACAGCATGATTGCAAG 2920
QY 283 AspProThrCysArgProLysLeu 290
Db 2921 GAAGCCGAGTGTGAACAGAGATA 2944

RESULT 12

US-09-021-287-2

Sequence 2, Application US/09021287
 Patent No. 5981717
 GENERAL INFORMATION:
 APPLICANT: Greenspan, Daniel S
 APPLICANT: Takahara, Kazuhiko
 APPLICANT: Hoffman, Guy G
 TITLE OF INVENTION: Mammalian Tolloid-Like Protein
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Quarles & Brady
 STREET: 1 South Pinckney Street
 CITY: Madison
 STATE: WI
 COUNTRY: US
 ZIP: 53703
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/021,287
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/866,650
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Berson, Bennett J
 REGISTRATION NUMBER: 37094
 REFERENCE/DOCKET NUMBER: 960296.93839
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 608-251-5000
 TELEFAX: 608-251-9166
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4771 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 611..3652
 OTHER INFORMATION: /product= "murine mtll protein"
 US-09-021-287-2

Alignment Scores:
 Pred. No.: 2,548-23 Length: 4771
 Score: 293.00 Matches: 79
 Percent Similarity: 40.91% Conservative: 47
 Best Local Similarity: 25.65% Mismatches: 120
 Query Match: 9.56% Indels: 62
 DB: 9 Gaps: 9

US-09-864-711-14 (1-585) x US-09-021-287-2 (1-4771)

QY	32	ProSerGluAsnCysThrTrpThrIleGluArgProGluAsnLysSerIleArgIle	51
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QY	52	PheSerTyrValGlnLeuAspProAspGlySerCysGluSerGluAsnIleLysVal	71
DB	2120	TTTCAGGCGCTTTGAGATCGTGAAGACATGACAGCTGTGCTATGACCCCTAGAGTTC	2179
QY	72	AspGlyThrSerSerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrVal	91
DB	2180	GATGGAGCCAGTGAGACAGCCCTTTGATAGGACGGTTCTGTGT---TATGACAAACCT	2236
QY	92	ProValPheGluSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArg	111
DB	2237	GAAGATATAAGGTCTACTTCCACACCCCTGGTGGATGAAGTGTGTCTGTGACGGACT	2293


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CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Berson, Bennett J
REGISTRATION NUMBER: 37094
REFERENCE/DOCKET NUMBER: 960296.93839
TELECOMMUNICATION INFORMATION:
TELEPHONE: 608-251-5000
TELEFAX: 608-251-9166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 4771 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 611..3652
OTHER INFORMATION: /product= "murine mTll protein"
US-09-240-473-2

Alignment Scores:
Pred. No.: 2,54e-23 Length: 4771
Score: 293.00 Matches: 79
Percent Similarity: 40.91% Conservative: 47
Best Local Similarity: 25.65% Mismatches: 120
Query Match: 9.56% Indels: 62
DB: Gaps: 9

US-09-864-711-14 (1-585) x US-09-240-473-2 (1-4771)
QY 32 ProSerGluAsnCysThrTrpThrIleGluArgProGluAsnLysSerIleArgIleIle 51
DB 2060 CCAATGAGAGGTGTATGTAAGAAATAATGGTTCGAGGGCTACCATGTTGGAGTACC 2119
QY 52 PheSerTyrrValGlnLeuAspProAspGlySerCysGluSerGluAsnIleLysValPhe 71
DB 2120 TTTGAGGCTTTGAGATCGAAGACATGACAGCTGTCCTATGACCACCTAGAGTTGGA 2179
QY 72 AspGlyThrSerSerAsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyrrVal 91
DB 2180 GATGGAGCCAGTGAGAACAGCCCTTTGATAGGACGGTCTCTGGT---TATGACAAACCT 2236
QY 92 ProValPheGluSerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArg 111
DB 2237 GAAGATATAAGGCTACTTCCACACCCCTGGATCAAGTTGTCTGACGGGACT--- 2293
QY 112 IleGlnArgThrValPheValPheTyrrTyrrPhe----- 122
DB 2294 GTGAACAAGCGCAGGGTTTGTGCGAACTTTTAAAGAGGAAGATGAGTGTGCCAAACCT 2353
QY 123 -----Phe 123
DB 2354 GACCGAGGAGGCTGTGACAGAGGTCTTTAACACACTAGGACGCTACAGTGTGCCTGT 2413
QY 124 SerProAsnIleSerIle---ProAsn-----CysGlyGlyTyr 135
DB 2414 GAGCTGTGCTATGAAGTGGGCGCCAGACAGAGAAGCTGTGAAGCTGCTTGGCGAGACTT 2473
QY 136 LeuAspThrLeuGluGlySerPheThrSerProAsnTyrrProLysProHisProGluLeu 155
DB 2474 CTGACGAGCTCAATGSCACCATACACCCCGCTGCGCCAAAGAGTACCTCCCAAC 2533
QY 156 AlaTyrrCysValTrpHisIleGlnValGluLysAspTyrrLysIleLysLeuAsnPhelys 175
DB 2534 AAAAAGTGTGTGGCAAGTGATCGCGCAAGCCAGTACAGATCTCTGTGAAGTTTGA 2593
QY 176 GluIlePheLeuGluLeuLysGlnCysLysPheAspPheLeuAlaIleTyrrAspGly 195
DB 2594 TTTTGAATGGAAGCAATGAAGTTTGCATACGATTACGTGGAGATCTGGAGCGGC 2653
QY 196 ProSerThrAsnSerGlyLeuIleGlyGlnValCysGlyArgValThrPro---ThrPhe 214
DB 196 ProSerThrAsnSerGlyLeuIleGlyGlnValCysGlyArgValThrPro---ThrPhe 214

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DB 2654 CCTTCTCTGAGTCTAAAGTCATGCGCAAGTCTGTGGCGCTGACATACCTGAAGTGATG 2713
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QY 235 GlyPheSerAlaSerTyrrThrSer-----ile 243
DB 2774 GGCTTCAAGCACATTTTCTTCAGATAAGGATGAGTGTTCAGAGGATTAATGGTGGCTGT 2833
QY 244 TyrAlaGluAsnIleAsnThrThr-----SerLeuThrCysSerSerAspArgMetArgVal 262
DB 2834 CAGCATGAGTGTCAACAGATGAGGAGGATGACAGCTGTCACTGTGTCAGTGC----- 2878
QY 263 IleIleSerLysSerTyrrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGlnLeuLys 282
DB 2879 -----CGGAATGATTCGTTGTCATGAGACAAAGCATGATTGTCAG 2920
QY 283 AspProThrCysArgProLysLeu 290
DB 2921 GAAGCCGAGTGTGAACAGAGATA 2944

RESULT 14
US-08-453-472-2
; Sequence 2, Application US/08453472
; Patent No. 562846
; GENERAL INFORMATION:
; APPLICANT: DEAN, JURRIEN
; TITLE OF INVENTION: CONTRACEPTIVE VACCINE
; TITLE OF INVENTION: BASED ON ALLOIMUNIZATION WITH ZONA PELLUCIDA
; TITLE OF INVENTION: POLYPEPTIDES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM: DISK
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/453,472
; FILING DATE: 30-May-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/038,948
; FILING DATE: 26-MAR-1993
; PRIOR APPLICATION NUMBER: US 07/930,462
; FILING DATE: 20-AUG-1992
; APPLICATION DATA:
; APPLICATION NUMBER: US 07/364,379
; FILING DATE: 12-JUN-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUST
; REGISTRATION NUMBER: 36,434
; REFERENCE/DOCKET NUMBER: 2026-4032 US3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4201
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: cdna
; ORIGINAL SOURCE:

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ORGANISM: mouse
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
FEATURE:
NAME/KEY: ZP2
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: mouse ZP2 cDNA
US-09-453-472-2

Alignment Scores:
Pred. No.: 1,72e-23 Length: 2201
Score: 289.50 Matches: 140
Percent Similarity: 37.72% Conservative: 98
Best Local Similarity: 22.19% Mismatches: 234
Query Match: 9.45% Indels: 159
Gaps: 27

US-09-864-711-14 (1-585) x US-09-453-472-2 (1-2201)
QY 50 llelepheserTyrValGlnleuaspProaspGlyserCysGluSerGluasn----- 67
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QY 68 -----llelyvalpheaspGlyThr----- 74
Db 553 GAGATGGATGATGTTGTTAAGATGGCAATGGTACAGGCCACATCTGCCCTTGAG 612
QY 75 -----SerSeransGlyProleuLeuGln 83
Db 613 GATGCCATAGTACAGGATTTATCTTCTGATTGACAGCCAGAAAGTACTTCCACGTG 672
QY 84 ValCysSerLysAsnAspTyrValProValPheGluSerSerSerThrleuThrPhe 103
Db 673 CCAAGCAATGCTAGTGAATGATTCATCTATGCAAGAGAGAGCTACTCATACGTG 732
QY 104 GlnIle---ValThrAspSerLysArgGlnArgThrValPheValPheTyrThrPhe 122
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QY 123 PheSerProAsnIleSer-----lleproasn 131
Db 793 TGGCGACCAAGATCTTCTGTGCTGTATGCTATACACATGACTCTCATATACAGAA 852
QY 132 CysGlyGlyTyrLeuaspThrleuGlu---GlySerPheThrSerProAsnTyrProLys 150
Db 853 TTTCCGGAGAGCTGAGCTGTGACTTTGACATGAGAGCATCCCTGAGAGACCA--- 909
QY 151 ProHisProGlnLeuAlaTyrCysValTyrPhe-----lleGlnValGlnLysasp 167
Db 910 -----TGGCAATGCCAATGCAATTTGACAAAGAGCAACA 942
QY 168 TyrLysIleLysLeuasnPheLysGlnIlePheLeuGlnIleAspLysGlnCysLysPhe 187
Db 943 AATGGCTTGAGATTTGATTTCAAGAAATCTCTCCGAAACCTAAACCTCGAAGAAATGT 1002
QY 188 AspPheLeuAlaIleTyrAspGlyProSerThrAsnSerGlyLeuIleGlnValCys 207
Db 1003 CCATTTCACAGTTTCACTAC-----CTC 1023
QY 208 GlyArgValThrProThrPheGluSerSerSerSerLeuThrValValleuSerThr 227
Db 1024 TCTTCACTCAAGTCACTTCTTACTTCCAGAGGAACATGCTATCCACAGTGTATACCT 1083
QY 228 AspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyrThrSerIleTyrAlaGln 247
Db 1084 GAG-----TGGCACTGTGATGCA 1101

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QY 248 lleasnThrThrSerleuThrCysSerSerAspArgMetArgValIleIleSerLysSer 267
Db 1102 CCAGTCTCTATAGATAGTACTGTGTACAGAGTGGTTATAGACTTTGAGTCTACAGC 1161
QY 268 TyrLeuGlnAlaPheAsnSerAsnGlyAsnLeuGlnIleLysAspProThrCysArg 287
Db 1162 CACCAACCAAAACCCGCACTGAACCTGGACACCTCTCTGTGGAAATCTCTTCCAG 1221
QY 288 Pro-----LysLeuSerAsnVal-----ValGlnPheSerValProleuasnGlyCys 303
Db 1222 CTTATTTTCAAGGTGACGTGTGGGGCTTGCAAGTTTCAATCACTCTGAATGATGT 1281
QY 304 GlyThrIleArgLysValGlnAspGlnSerIleThrTyrThrAsn---lleleThrPhe 322
Db 1282 GGAACAGGACGAATTTAAGGTGATAAGTCACTATGAGAAATGAAATATACCTCTC 1341
QY 323 SerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleValLys 342
Db 1342 TGGGAAACCAACCCCTCAACATTTGATTCAGAAACAGAGTTGAGATGACGTAAGA 1401
QY 343 CysGluMetGlyHisAsnSerThrValGlnIleIleTyrIleThrGluAspAspValIle 362
Db 1402 TGC-----TATTACATGACAGACAGATGCTA 1428
QY 363 GlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSer----- 374
Db 1429 CTAAATGCCCATGTCAAAGACATCCTTCTCCAGAGCCTTTGTAAGCCAGCCCATG 1488
QY 375 -----MetAlaLeuPheGluSerAsnSerPheGluLysThrIleleuGluSerPro 391
Db 1489 GTGTTGCTCTCAACATACCCAGACCAATCTTCAACAGC-----CCT 1533
QY 392 TyrTyrValAsp-----LeuasnGlnThrLeuPheValGlnVal 404
Db 1534 TACAGGAAGATGACGATCCCTTATGAGTACTCTCCGACCAATCTACATGGAAGT 1593
QY 405 Ser---LeuHisThrSerAspProAsnLeuValIlePheLeuAspThrCysArgAlaSer 423
Db 1594 AAGCTCTTGAAGAGACATCCCAACATCAAGCTGTCTTGAATGACTGTGGGCAACT 1653
QY 424 ProThrSerAspPheAlaSer---ProThrTyrAspLeuIleIleSerGlyCysSerArg 442
Db 1654 TCTTCTGAAGACCCGCTCTGGCTCAAGTGCAGATGTGTATGATGAGCTGAA--- 1710
QY 443 AspGluThrCysLysValTyrProLeu----- 451
Db 1711 -----TATGACTGGACCACTACCGCACTTTCACCCAGCTGAC 1752
QY 452 -----PheGlyHisTyrGlyLysArgPheGlnPheAsnAlaPheLysPheLeu 466
Db 1753 TCCTCTGAGCCCATTCCTGCTCACTACAGAGATTTGATGAGACCTTTGCCTTGTA 1812
QY 467 -----ArgSerMetSerSer---ValTyrLeuGlnCysLysValleuIleCysAsp 482
Db 1813 TCAGAGGACAGGGGCTCTCCAGCTGATCTTCCACTGAGAGCTTATCTGTAC 1872
QY 483 SerSerAspHisGlnSer---ArgCysasnGlnGlyCysValSer-----ArgSerLys 499
Db 1873 CAAGTCTCTTGAACCTCCCTGCTGCTGCTGATGCTGCTGCTGCTGCTGCTGCTGCT 1932
QY 500 ArgAspIleSerSerTyrLysThrPheThrAspSerIleIleGlyProIleArgLeuLys 519
Db 1933 CAGAGGCCAACAAAGAAACACATGACGCTTACCTTCCAGACCTTATCTCTTGGT 1992
QY 520 ArgAspArgSerAlaSer-----GlyasnSerGlyPheGlnHisGluThr 534
Db 1993 TCAGATGCTCTTCACTCAAGAGTGTGACCCCAAGCTTGAATTTACCAAGATATT 2052
QY 535 HisAlaGlnGluThrProasnGlnProPheAsnSerValHisLeuPhe-----SerPhe 552
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QY 553 MetValLeuAlaLeuAsnValValThrValAlaThrIleThrValArgHisPheValAsn 572
Db 2113 GTCAATCTAGGCTTCATCTGTTACCTGTATAGAAAGAACTATAAGG-----TTCAAT 2166

QY 573 GluArgAlaAspTyrLysTyrGlnLysLeuGln 583
Db 2167 CACTGATTGGACTTGCATAATAAGAGACTGCAG 2199

RESULT 15
US-08-038-948-6
Sequence 6, Application US/08038948
Patent No. 5641487
GENERAL INFORMATION:
APPLICANT: DEAN, JERRIEN
TITLE OF INVENTION: CONTRACEPTIVE VACCINE BASED ON
TITLE OF INVENTION: ALLOIMMUNIZATION WITH ZONA PELLUCIDA POLYPEPTIDES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN, DAREY & CUSHMAN
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/038,948
FILING DATE: 26-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/930,462
FILING DATE: 20-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/364,379
FILING DATE: 12-JUN-1989
ATTORNEY/AGENT INFORMATION:
NAME: SCOTT, Watson T.
REGISTRATION NUMBER: 26,581
REFERENCE/DOCKET NUMBER: 99152/E-266-88/2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 861-3000
TELEFAX: (202) 822-0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 2201 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-038-948-6

Alignment Scores:
Pred. No.: 1,72e-23 Length: 2201
Score: 289.50 Matches: 140
Percent Similarity: 37.72% Conservative: 98
Best Local Similarity: 22.13% Mismatches: 234
Query Match: 9.45% Indels: 159
DB: 1 Gaps: 27

US-09-864-711-14 (1-585) x US-08-038-948-6 (1-2201)

QY 50 IleIlePheSerTyrValGlnLeuAspProAspGlySerCysGluSerGluAsn----- 67
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QY 75 -----SerSerAsnGlyProLeuLeuGlyGln 83
Db 613 GATGCCATAGTACAGGATTTAATCTTCTGATTGACAGCCAGAAAGTCACTCTCCAGTG 672

QY 84 ValCysSerLysAsnAspTyrValProValPheGluSerSerSerThrLeuThrPhe 103
Db 673 CCAGCAATGCTACTGGGAATAGTTTCATCTATGCAAGAGACAGCTATCTCTATATATGTG 732

QY 104 GlnIle---ValThrAspSerAlaArgIleGlnArgThrValPheValPheTyrPhe 122
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QY 123 PheSerProAsnIleSer-----IleProAsn 131
Db 793 TCGCACCAGATCTTCTTGTGGCTTGTAAATGCTACACATGACTCTCATCTATACAGAA 852

QY 132 CysGlyGlyTyrLeuAspThrLeuGlu---GlySerPheThrSerProAsnTyrProLys 150
Db 853 TTTCTCTGGAGCTAGAGTCTGTGGACTTGTGACAAATGGAGCATCCCTGTAGGACCAA--- 909

QY 151 ProHisProGluLeuAlaTyrCysValTrpHis-----IleGlnValGluLysAsp 167
Db 910 -----TGGCATGCCAATGGAATGACAAAGAACCA 942

QY 168 TyrLysIleLysLeuAsnPhelysGluIlePheLeuGluIleAspLysGlnCysLysPhe 187
Db 943 AATGGCTTGAGATTGAATTTAGAAATCTCTCTGAAACTAAACCTCTGAAATATGT 1002

QY 188 AspPheLeuAlaIleTyrAspGlyProSerThrAsnSerGlyLeuIleGlyGlnValCys 207
Db 1003 CCATTCTACCAGTTCTTAC-----CTC 1023

QY 208 GlyArgValThrProThrPheGluSerSerSerAsnSerLeuThrValValLeuSerThr 227
Db 1024 TCTTCACTCAAGCTGACCTTCTTACTTCCAGGGAACATGCTATCAGATGATAGATCT 1083

QY 228 AspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyrThrSerIleTyrAlaGluAsn 247
Db 1084 GAG-----TGCCACTGTGATCA 1101

QY 248 IleAsnThrThrSerLeuThrCysSerSerAspArgMetArgValIleIleSerLysSer 267
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QY 288 Pro-----LysLeuSerAsnVal-----ValGluPheSerValProLeuAsnGlyCys 303
Db 1222 CCTATTTTCAAGGTGCAGTCTGTGGGCTTGCAGAGGTTTCACATACCTCTGATGGATGT 1281

QY 304 GlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsn---IleIleThrPhe 322
Db 1282 GGAACAAGCGAGAATTTGAAGGTGATTAAGTCACTATGAGAATGAATACATGCTCTC 1341

QY 323 SerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleValLys 342
Db 1342 TGGGAAACCCACCCTCCACACATGTTATTCAGAAACAGCAGGTTCCAGATGACAGTAAGA 1401

QY 343 CysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspValIle 362
Db 1402 TGC-----TATTACATCAGACAGCATGTATGCTA 1428

QY 363 GlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSer----- 374
Db 1429 CTAATGCCCATGTCCAAAGGACATCTTCTCCAGAGGCTTTGTAAAGCCAGGCCCACTG 1488

QY 375 -----MetAlaLeuPheGluSerAsnSerPheGluLysThrIleLeuGluSerPro 391
Db 1489 GTGTTGGTCTTACAAACATACCACCAACCAATCTTACCACCG-----CCT 1533

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 18, 2004, 19:03:41 ; Search time 605.196 Seconds
(without alignments)
3384.789 Million cell updates/sec

Title: US-09-864-711-14

Perfect score: 3064
Sequence: 1 MAEAGNASTVSLGGNMA.....TVRHFNQADYKYLQNY 595

Scoring table: BLOSUM62

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Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 2308684 seqs, 1750822206 residues

Total number of hits satisfying chosen parameters: 4617368

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-DB=Published Applications NA -QFMT=fastap -SUFFIX=rnnpb -MINMATCH=0.1
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Database : Published Applications NA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description

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2	3064	100.0	2917	9	US-09-909-320-189	Sequence 189, App
3	3064	100.0	2917	9	US-09-909-088B-189	Sequence 189, App
4	3064	100.0	2917	9	US-09-905-291A-189	Sequence 189, App
5	3064	100.0	2917	9	US-09-902-853-189	Sequence 189, App
6	3064	100.0	2917	9	US-09-907-924-189	Sequence 189, App
7	3064	100.0	2917	9	US-09-907-941-189	Sequence 189, App
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11	3064	100.0	2917	10	US-09-307-613-189	Sequence 189, App
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18	3064	100.0	2917	10	US-09-906-700-189	Sequence 189, App
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45	3064	100.0	2917	10	US-09-903-823-189	Sequence 189, App

ALIGNMENTS

RESULT 1

US-09-864-711-1
; Sequence 1, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkovich, Wayne
; APPLICANT: Klingler, Todd M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 1966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 223163CT1
US-09-864-711-1

Alignment Scores: 0 Length: 1966
Pred. No.: 0

Score:	3064.00	Matches:	585
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Query Match:	100.00%	Indels:	0
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QY	21	GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpIle	40
DB	130	GAGACCCCAAGCCATGATCTGCAACTCAATCCAGTGAGAACTGCACCTGCACCAATA	189
QY	41	GluArgProGluAsnLysSerIleAlaGlyIlePheSerThrValGlnLeuAsnProAsp	60
DB	190	GAAAGACCGAAGAAACAAAGCAATGCAAGTATATCTTCTATGTCAGCTTGATCCAGAT	249
QY	61	GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu	80
DB	250	GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG	309
QY	81	LeuGlyGlnValCysSerLysAsnAspThrValProValPheGluSerSerSerThr	100
DB	310	CTAGGCAAGCTGCAGTAAACAGCATGTCCTGTTATTTGAATCATCATCCAGTACA	369
QY	101	LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheThr	120
DB	370	TTGACGTTCAATAGTACTGACTCAGCAGCAAGATTCAGAACTGTCTTGTCTCTAC	429
QY	121	TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyThrLeuAspThrLeuGlu	140
DB	430	TACTTCTCTCTCAATCTCTATTCACAACTGTGGCGGTACTCTGATACCTTGCAA	489
QY	141	GlySerPheThrSerProAsnThrProLysProHisProGluLeuAlaThrCysValTrp	160
DB	490	GGATCTCTCACCAGCCCCAATTACCAGCGCATCTGAGCTGGCTTATGTGTGG	549
QY	161	HisIleGlnValGluLysAspThrLysIleLysLeuAsnPheLysGluIlePheLeuGlu	180
DB	550	CACATACAGTGGAGAAAGATTACAAGATATAAACTTAAACTTCAAAGATTTCTCTAGAA	609
QY	181	IleAspLysGlnCysLysPheAspPheLeuAlaIleThrAspGlyProSerThrAsnSer	200
DB	610	ATAGCAAAACAGTGAAGATTTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT	669
QY	201	GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer	220
DB	670	GGCTGATTGGACAGTCTGTCGCGGTGACTCCACCTTCGATCGTATCAAACTCT	729
QY	221	LeuThrValValLeuSerThrAspThrAlaAsnSerThrArgGlyPheSerAlaSerThr	240
DB	730	CTGACTGTCGTGTGTCTACAGATATGCAATCTTAACTTTAACTTCTCTCTGACAGATG	789
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DB	790	ACTCAATTTNGCAGAAACATCAACACTACATCTTTAACTTCTCTCTCTGACAGATG	849
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DB	850	AGAGTTATTATAAGCAAACTTACTCTAGAGGCTTTTAACTCTPATGGGAATAACTTGCAA	909
QY	281	LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu	300
DB	910	CTAAAGACCCCACTTCAGACCAAAATATCAATGTTTGGGAATTTCTGTCTCTCTT	969
QY	301	AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle	320
DB	970	AATGGATGTGGTACATCAGAAAGGTAGAAGTCAATCAATTTACTTACCAAAATATATC	1029
QY	321	ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuIleIle	340
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QY	341	ValLysCysGluMetGlyHisAsnSerThrValGluIleIleThrIleThrGluAsp	360
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QY	361	ValIleGlnSerGlnAsnAlaLeuGlyLysThrAsnThrSerMetAlaLeuPheGluSer	380
DB	1150	GTAAATACAAAGTCAAAATGCACTGGGCAAAATATACACAGATGGCTCTTTTGAATCC	1209
QY	381	AsnSerPheGluLysThrIleLeuGlnSerProThrThrValAspLeuAsnGlnThrLeu	400
DB	1210	AATTCATTTTGAAGACATATCTTCAATCACCATATATGCGATTTTGAACCAACTCTT	1269
QY	401	PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys	420
DB	1270	TTTGTTCAGTTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTCTTGTATACCTGT	1329
QY	421	ArgAlaSerProThrSerAspPheAlaSerProThrThrAspLeuLysSerGlyCys	440
DB	1330	AGAGCTCTCCACCTCTGACTTTGCTATCTCCAACTACGACCTAATCAGAGTGGATGT	1389
QY	441	SerArgAsnGluThrCysLysValThrProLeuPheGlyHisThrGlyArgPheGlnPhe	460
DB	1390	AGTCAGATGAACTTTGAGGTGTATCCCTTATTTGGACACTATGGAGATTTCCAGTTT	1449
QY	461	AsnAlaPheLysPheLeuArgSerMetSerSerValThrLeuGlnCysLysValLeuIle	480
DB	1450	AATGCTTTTAAATTTCTGAGAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGAATA	1509
QY	481	CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg	500
DB	1510	TGTGATAGCAGTGACCAACAGCTCGCTGCAATCAAGGTGTGTCTCCAGAGCAACCA	1569
QY	501	AspIleSerSerThrLysThrAspSerIleIleGlyProIleArgLeuLysArg	520
DB	1570	GACATTTCTCATATAATGGAACAGATTTCCATCATAGACCCATTCGTCTGAAAAGG	1629
QY	521	AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluThrPro	540
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QY	541	AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal	560
DB	1690	AACAGCTTTTCAACAGTGTGATCTGTTTCTCTTCTGATCTAGCTCTGAATGCTGTG	1749
QY	561	ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspThrLysThrGln	580
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QY	581	LysLeuGlnAsnThr	585
DB	1810	AAGCTGCAGAACTAT	1824
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Sequence 189, Application US/09909320			
Patent No. US20020132240A1			
GENERAL INFORMATION:			
APPLICANT: Genentech, Inc.			
APPLICANT: Ashkenazi, Avi			
APPLICANT: Botstein, David			
APPLICANT: Desnoyers, Luc			
APPLICANT: Eaton, Dan L.			
APPLICANT: Ferrara, Napoleone			
APPLICANT: Filvaroff, Ellen			
APPLICANT: Fong, Sherman			
APPLICANT: Gao, Wei-Qiang			
APPLICANT: Gerber, Hanspeter			
APPLICANT: Gerritsen, Mary E.			
APPLICANT: Goddard, A.			
APPLICANT: Godowski, Paul J.			

APPLICANT: Grimaldi, Christopher J.	Db	1090	GAGACCAAAAGCATGATCCTGCAACTCAATCCAGTGAACCTGCACCTGGACATA	1149
APPLICANT: Gurney, Austin L.	Qy	41	GluArgProGluAsnLysSerIleAtgIlePheSerTyrValGlnLeuAspProAsp	60
APPLICANT: Hillan, Kenneth, J.	Db	1150	GAAGAGCCAGAAAAAAGCATCAGAAATATCTTTCTATGTCAGCTGATCCAGAT	1209
APPLICANT: KJavin, Ivar J.	Qy	61	GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerAsnGlnProLeu	80
APPLICANT: Mather, Jennie P.	Db	1210	GGAAAGCTGTGAAAGTGAACCATTAAGAGTCTTTGACGAAACCTCCAGCAATGGCCCTCTG	1269
APPLICANT: Pan, James	Qy	81	LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr	100
APPLICANT: Paoni, Nicholas F.	Db	1270	CTAGGCAAGTCTGACGTAAACAGCACTATGTTCTCTATTTGAATCATCATCCAGTACA	1329
APPLICANT: Roy, Margaret Ann	Qy	101	LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr	120
APPLICANT: Stewart, Timothy A.	Db	1330	TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAAAGAACTGCTTTGTCTTCTAC	1389
APPLICANT: Tumas, Daniel	Qy	121	TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu	140
APPLICANT: Williams, P. Mickey	Db	1390	TACTTCTTCTCTCTAATCTCTATTTCCAACTGTGCGGTACCTGGATACCTTGGAA	1449
APPLICANT: Wood, William, I.	Qy	141	GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr	160
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic	Db	1450	GGATCCTTACCAGCCCAATTACCCAAAGCCGATCTGAGCTGGCTTATTTGTGTGG	1509
FILE REFERENCE: 10466-14	Qy	161	HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGlyIlePheLeuGlu	180
CURRENT APPLICATION NUMBER: US/09/909,320	Db	1510	CACATACAAAGTGGAGAAAGATTACAAAGTAACTTCAAGATTTTCAAGAGATTTTCTTGA	1569
CURRENT FILING DATE: 2002-01-04	Qy	181	IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer	200
PRIOR APPLICATION NUMBER: PCT/US00/04414	Db	1570	ATAGACAAACAGTGCATAATTTCTTCTGCACTATGATGCGCCCTCCACCACTCT	1629
PRIOR FILING DATE: 2000-02-22	Qy	201	GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer	220
PRIOR FILING DATE: 1999-07-07	Db	1630	GGCCTGATGGACAAAGTCTGGCGCGTGTGACTCCCACTTCGAATCGTCATCAAACTCT	1689
PRIOR FILING DATE: 1999-07-26	Qy	221	LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr	240
PRIOR FILING DATE: 1999-07-28	Db	1690	CTGACTGTCTGTGTGTCTACAGATTATGCCAATTTCTACCGGGGATTTCTGCTTCTAC	1749
PRIOR APPLICATION NUMBER: PCT/US99/20594	Qy	241	ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet	260
PRIOR APPLICATION NUMBER: PCT/US99/20944	Db	1750	ACCTCAATTTATGCAGAAACATCAACACTATCTTTAACTTCTCTCTCTGACAGATG	1809
PRIOR FILING DATE: 1999-09-08	Qy	261	ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln	280
PRIOR FILING DATE: 1999-09-13	Db	1810	AGAGTTATTATAGCAATCTCTCTAGAGCTTTTACTCTATATGGGATTAATCTTGCA	1869
PRIOR FILING DATE: 1999-09-15	Qy	281	LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu	300
PRIOR FILING DATE: 1999-09-15	Db	1870	CTAAAGAGCCCAACTTGCAGACCAAAATATCAAAATGTGTGGAATTTCTGCTCCTCTT	1929
PRIOR FILING DATE: 1999-10-05	Qy	301	AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle	320
PRIOR FILING DATE: 1999-11-29	Db	1930	AATGATGTGGTACCAATCAGAAAGGTAGAGATAGTCAATTAATCTTACCAATATAATC	1989
PRIOR APPLICATION NUMBER: PCT/US99/28313	Qy	321	ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle	340
PRIOR FILING DATE: 1999-12-02	Db	1990	ACCTTTTCTGCATCTCTCACTTCTGAGTGTATCCCGTGCAGAAACAACTCCAGATTATT	2049
PRIOR FILING DATE: 1999-12-16	Qy	341	ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp	360
PRIOR FILING DATE: 1999-12-20	Db	2050	GTGAAGTGTGAATGGGCATAAATTTCTACGTGGAGATAATATATACATAACAGAAATGAT	2109
PRIOR APPLICATION NUMBER: PCT/US99/30911	Qy	361	ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer	380
PRIOR FILING DATE: 1999-12-20	Db	2110	GTATACAAAGTCAAAATGCACTGGGCAAAATATACACACGATGCTCTTTTGAATCC	2169
PRIOR FILING DATE: 1999-12-20	Qy	381	AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu	400

Alignment Scores:				
Pred. No.:	0	Length:	2917	
Score:	3064.00	Matches:	585	
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Query Match:	100.00%	Indels:	0	
DB:	9	Gaps:	0	

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Db 2170 AATTCATTGAAAGACTATATCTGAATCACCATTATATGTGATTTGAACCAAACTCTT 2229
Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTGTGATACCTGT 2289
Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuLeuLeysSerGlyCys 440
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Qy 441 SerArgAspGluThrCysLeuValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAACCTTTGAAGGTGTATCCCTTATTTGGACATATGGAGATTCAGTTT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuLeu 480
Db 2410 AATGCCCTTAAATCTTTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTTGATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCATGACCAACCAAGTCTCGCTGCAATCAAGGTTGTGTCTCCAGAACCAACGA 2529
Qy 501 AspIleSerSerTyrLysTyrLysThrAspSerIleLeuGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAATGGAACAGATTCATCATAGACCCATTCGTCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGCAGTGCAGTCAATTCAGGATTTTCAGCATGAAACACATCGGGAAGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACGAGCTTTCAACAGTGGCATCTGTTTCTTCATGTTCTAGCTCTGAATGGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGCAATCACAGTGGAGCAATTTGTAAATCAACGGGCGAGACTACAATACCAG 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 3

US-09-909-088B-189
; Sequence 189, Application US/09909088B
; Patent No. US20020146709A1

GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/909,088B

; CURRENT FILING DATE: 2001-07-18

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26

; PRIOR APPLICATION NUMBER: US 60/146,222

; PRIOR FILING DATE: 1999-07-28

; PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08

; PRIOR APPLICATION NUMBER: PCT/US99/20944

; PRIOR FILING DATE: 1999-09-13

; PRIOR APPLICATION NUMBER: PCT/US99/21090

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/21547

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/23089

; PRIOR FILING DATE: 1999-10-05

; PRIOR APPLICATION NUMBER: PCT/US99/28214

; PRIOR FILING DATE: 1999-11-29

; PRIOR APPLICATION NUMBER: PCT/US99/28313

; PRIOR FILING DATE: 1999-11-30

; PRIOR APPLICATION NUMBER: PCT/US99/28564

; PRIOR FILING DATE: 1999-12-02

; PRIOR APPLICATION NUMBER: PCT/US99/28565

; PRIOR FILING DATE: 1999-12-02

; PRIOR APPLICATION NUMBER: PCT/US99/30095

; PRIOR FILING DATE: 1999-12-16

; PRIOR APPLICATION NUMBER: PCT/US99/30911

; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US99/30999

; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US00/00219

; PRIOR FILING DATE: 2000-01-05

; NUMBER OF SEQ ID NOS: 423

; SEQ ID NO 189

; LENGTH: 2917

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-909-088B-189

Alignment Scores:

Pred. No.:	Score:	0	3064.00	Length:	2917
Percent Similarity:	100.00%			Matches:	585
Best Local Similarity:	100.00%			Conservative:	0
Query Match:	100.00%			Mismatches:	0
DB:		9		Indels:	0
				Gaps:	0

US-09-864-711-14 (1-585) x US-09-909-088B-189 (1-2917)

Qy	1	MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla	20
Db	1030	ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCTAGGGGGTGCCAATATGCGCA	1089
Qy	21	GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTriPThrIle	40
Db	1090	GAGACCCCAAGCCATGATCTGCACTCAATCCAGTGAGAACTGCACCTGGACATA	1149
Qy	41	GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp	60
Db	1150	GAAGACCAAGAAACAAAGCATCAGAAATATCTTTCTATGTCAGCTTGATCCAGAT	1209
Qy	61	GlySerCysGluSerGluAsnIleIysValPheAspGlyThrSerSerAsnGlyProLeu	80
Db	1210	GGAAGCTGTGAAGTGAAGAAACATTAAGTCTTTGACGGAACCTCCAGCATGGCCCTCTG	1269
Qy	81	LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr	100

Db 1270 CTAGGCAAGTCTCAGTAAACAGCATATGTTCTGTATTTGAATCATCATCAGTACA 1329
 Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGACGTTTCAATAGTACTGCTCAGCAAGATTCAGAAAGTCTGTTTGTCTTCTAC 1389
 Qy 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTTCTCTCTAAATCTCTTATTCCTAACTGTGCGGTGTACCTGGATACCTGGAA 1449
 Qy 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
 Db 1450 GATTCCTTCCACAGCCCAATACCAAGCCGATCTCTGAGTGGCTTATTTGTGTGG 1509
 Qy 161 HisIleGlnValGluLysAspTyrIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 Db 1510 CACATACAAAGTGGAGAAAGATTACAAAGATAAACTAACTTCAAGAGATTCTTCTAGAA 1569
 Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGCAAAACAGTGCATTTGATTTTCTGCGCATCTATGATGCGCCCTCCACCACTCT 1629
 Qy 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
 Db 1630 GGCCTGATGACAAAGTCTGCGCGGTGACTCCCACTTCGAATCGTCATCAAACTCT 1689
 Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 Db 1690 CTGACTGTCGTGTTGTTCTACAGATTATGCCAATTTCTTACCGGGGATTTTCTGCTTCTTAC 1749
 Qy 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 Db 1750 ACCTCAATTTATGAGAAACATCAACACTATCTTTTACTTCTCTCTGACAGATG 1809
 Qy 261 ArgValIleLeuSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
 Db 1810 AGAGTTATTATAGCAAACTCTACTAGAGCTTTTAACTCTAATGGGAATAACTGGCAA 1869
 Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 Db 1870 CTAAAGACCCACTTGAGAACCAATATCAATTTGTTGGAATTTTCTGCTCTCTT 1929
 Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
 Db 1930 AATGGATGTGTAACATCAGAAAGGTAGAGATCAGTCAATTTACTTACACCAATAATC 1989
 Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 Db 1990 ACCTTTTCTGATCCTCAACTTCTGAAGTGTATCACCCTCAGAAACAACTCCAGATTAT 2049
 Qy 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 Db 2050 GTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATATATACATAACAGAGATGAT 2109
 Qy 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 Db 2110 GTAATACAAAGTCAAAATGCACTGGGCAATATATAACACCAAGCATGGCTCTTTTGAATCC 2169
 Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 Db 2170 AATTCATTTGAAGATCTACTTGAATCACTATTTATGATGATTTGAACCAACTCTT 2229
 Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTCTTCTTGTATACCTGT 2289
 Qy 421 ArgLaserProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 Db 2290 AGACCTCTCCCACTCTGACTTTCATCTCCACCTTACCACTTACCACTTACCAAGATGGATGT 2349
 Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 AGTCGAGATGAACCTTGTGAAGTGTATCCCTTATTTGGACACATATGGAGATTCAGTTT 2409

RESULT 4

US-09-905-291A-189
 : Sequence 189, Application US/09905291A
 : Patent No. US20020150374A1

GENERAL INFORMATION:

: APPLICANT: Genentech, Inc.
 : APPLICANT: Ashkenazi, Avi
 : APPLICANT: Botstein, David
 : APPLICANT: Desnoyers, Luc
 : APPLICANT: Eaton, Dan L.
 : APPLICANT: Ferrara, Napoleone
 : APPLICANT: Filvaroff, Ellen
 : APPLICANT: Fong, Sherman
 : APPLICANT: Gao, Wei-Qiang
 : APPLICANT: Gerber, Hanspeter
 : APPLICANT: Gerritsen, Mary E.
 : APPLICANT: Goddard, A.
 : APPLICANT: Godowski, Paul J.
 : APPLICANT: Grimaldi, Christopher J.
 : APPLICANT: Gurney, Austin L.
 : APPLICANT: Hillan, Kenneth, J.
 : APPLICANT: Kljavin, Ivar J.
 : APPLICANT: Mathers, Jennie P.
 : APPLICANT: Pan, James
 : APPLICANT: Paoni, Nicholas F.
 : APPLICANT: Roy, Margaret Ann
 : APPLICANT: Stewart, Timothy A.
 : APPLICANT: Tumas, Daniel
 : APPLICANT: Williams, P. Mickey
 : APPLICANT: Wood, William, I.
 : TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 : TITLE OF INVENTION: Acids Encoding the Same
 : FILE REFERENCE: 10466-14
 : CURRENT APPLICATION NUMBER: US/09/905/291A
 : CURRENT FILING DATE: 2001-07-12
 : PRIOR APPLICATION NUMBER: PCT/US00/04414
 : PRIOR FILING DATE: 2000-02-22
 : PRIOR APPLICATION NUMBER: US 60/143,048
 : PRIOR FILING DATE: 1999-07-07
 : PRIOR APPLICATION NUMBER: US 60/145,698
 : PRIOR FILING DATE: 1999-07-26
 : PRIOR APPLICATION NUMBER: US 60/146,222
 : PRIOR FILING DATE: 1999-07-28
 : PRIOR APPLICATION NUMBER: PCT/US99/20594

Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
 Db 2410 AATGCTTTAAATCTTGGAGAAGTATGAGCTCTGTGTATCTGCAAGTGTAAAGTTTGTATA 2469
 Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATAGCAGTGCACCACTCTCGCTGCAATCAAGGTTGTGTCTCCAGAAGCAACGA 2529
 Qy 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTTCAATAAATGAAACAGATTCCATCATAGAGCCCATCTGCTGAAAAGG 2589
 Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAAGTGAAGTGGCAATTCAGGATTTTCAGCATGAAACACATGCGGAGAACTCCA 2649
 Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACCGACCTTTCACAGTGTGCACTGTTCCTTCATGTTCTAGCTCTGAATGTGGTG 2709
 Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 Db 2710 ACTGTAGCGACAATCACAGTGAAGCAATTTGTAAATCAACGGGCGAGACTACAAATACCAG 2769
 Qy 581 LysLeuGlnAsnTyr 585
 Db 2770 AAGTGCAGAACTAT 2784

; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-905-291A-189

Alignment Scores:

Pred. No.: 0 Length: 2917
 Score: 3064.00 Matches: 585
 Percent Similarity: 100.0% Conservative: 0
 Best Local Similarity: 100.0% Mismatches: 0
 Query Match: 100.0% Indels: 0
 DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-905-291A-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
 Db 1030 ATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCAAGTCTAGGGGGTGCCAATATGGCA 1089
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnProSerCysThrThrIle 40
 Db 1090 GAGACCCACAAAGCCATGATCTGCAACTCAATCCAGTGAGAACTGCACCTGGACATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
 Db 1150 GAAAGACCAAGAAACAAAGCAATCAAGATTATCTTTTTCATATGTCAGCTCCAGTCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGAGGACCTCCAGCAATGGGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGGCAAGTCTGCAGTAAAAACGACTATGTCTCTGATTGTAATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGACGTTTCAATAGTACTGACTCAGCAAGAAATCAAGAACTGTCTTTGTCTTCTTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnGlyGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTTCTCTCAACATCTTATCCAAACTGTGGGGTTACCTGATACCTTGAA 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
 Db 1450 GGATCTCTTACCAGGCCCCAATTACCCAAAGCCGCACTCTGAGCTGGCTTATTTGTGTGG 1509

QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPhelysGluIlePheLeuGlu 180
 Db 1510 CACATACAGTGGAGAGATTACAGATAAAATAAATAAATTCAAGAGATTTCCTAGAA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGACAAACAGTGCATAATTTGATTTTCTGCCATCTATGATGGCCCTCCCAACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyValThrProThrPheGluSerSerSerAsnSer 220
 Db 1630 GGCTGATTGGACAAGTCTGTGGCCGTGTCACCTCCCACTTCGATCGATCAAACTCT 1689
 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 Db 1690 CTGACTGTCTGTGTGTCTACAGATTATGCCAATTTCTTACCGGGGATTTTCTGCTCTTAC 1749
 QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 Db 1750 ACCTCAATTTATGCAAGAAACATCAACACTACATCTTAACTTGTCTCTCTGACAGGATG 1809
 QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
 Db 1810 AGAGTTATTATAGCAAAATCTTACCTAGAGGCTTTTAACTTAATGGGAATAACTTGCAA 1869
 QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 Db 1870 CTAAAGACCCCACTTGCAGACCAAAATTTATCAATGTTGTGGAATTTTCTGCTCTCTT 1929
 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
 Db 1930 AATGGATGTGTACAAATCAGAAAGGTAGAAAGATCAGTCAATTTACTACCAATAATATC 1989
 QY 321 ThrPheSerAlaSerSerThrSerGluValIleIleThrArgGlnLysGlnLeuGlnIleIle 340
 Db 1990 ACCTTTTCTGCATCTTCAAACTTCTGAGTGATCACCCTGCAGAAACAACTCCAGATTATT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAsp 360
 Db 2050 GTCAAGTGTGAATGGACATAATTTCTACAGTGGAGATAATATATACATAACAGAGATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 Db 2110 GTAATCAAAAGTCAAAATGCTGCGCAATAATAAACACCAAGATGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 Db 2170 AATTCATTTGAAGAGCTATATCTTGAATCACCATAATTTATGTGGATTGACCAAACTCTT 2229
 QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGTGTCTTGTATACCTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuLysSerGlyCys 440
 Db 2290 AGAGCTCTCCCACTCTGACTTTCGATCTCCCACTCAGATCCAAATTTGGTGTGTCTTGTAT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 AGTCGAGATGAATCTGTAAGGTGTATCCCTATTTCGACACTATGGGAGATTCAGTTT 2409
 QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
 Db 2410 AATGCTTTTAAATTTCTTGAGAAATGAGCTCTGTGTATCTGCACTGTAAAGTTTGTATA 2469
 QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATAGCAGTGACCCACAGCTCTGCTGCATCAAGGTTGTGTCTCCAGAGCAACGA 2529
 QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTTATATAAATGGAAAAACAGATTCCATCATAGGACCCATTCGTCTGTAAGG 2589

Qy 521 AspArgSerAlaSerGlyAanSerGlyPheGlnHisLeuThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAAGTCAAGTGGCAATTCAGATTTCAGCATGAACACATCGGAAGAACTCCA 2649
 Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACGAGCCTTCAACAGTGTGCATCTGTTTCTTCCTTCATCGTCTGATGTGGTG 2709
 Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrIleValGln 580
 Db 2710 ACTGTACGCAATCACTGAGTGGCATTTTGTAAATCAACGGCGCAGACTACAAATACCAG 2769
 Qy 581 LysLeuGlnAsnTyr 585
 Db 2770 AAGCTGCAGAACTAT 2784

RESULT 5

US-09-902-853-189
 ; Sequence 189, Application US/09902853
 ; Publication No, US20020192659A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kljavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/902,853
 ; CURRENT FILING DATE: 2001-07-10
 ; PRIOR APPLICATION NUMBER: US/09/665,350
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30

; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 ; US-09-902-853-189
 Alignment Scores:
 Pred. No.: 0 Length: 2917
 Score: 3064.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0
 US-09-864-711-14 (1-585) x US-09-902-853-189 (1-2917)
 Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyValAlaAsnMetAla 20
 Db 1030 ATGGCGAGGCTGAAGCAATGCAAGCTGCACAGTCAGTCAGTCTAGGGGGTCCCAATATGGCA 1089
 Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
 Db 1090 GAGACCCACAAAGCCCATGATCTCTGCAACTCAATCCAGTGAGAACTGCACCTGGCAATA 1149
 Qy 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProasp 60
 Db 1150 GAAAGACCAAGAAACAAAGAGCATCAGATTATCTTTCTATGTCAGCTTATCCAGAT 1209
 Qy 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
 Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGCAAGTCTGCAGTAAACAGCACTATGTTCTCTGATTGAAATCATCATCCAGTACA 1329
 Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGATTCAAGAGACTGTCTTTGTCTTCTAC 1389
 Qy 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTCTCTCTAAACATCTTATCCAACTGTGGCGGTACTCTGATACCTTGAA 1449
 Qy 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
 Db 1450 GGATCTCTTCCAGCCCCCAATTACCAGCGCATCTGAGCTGGCTTATGTGTGTGG 1509
 Qy 161 HisIleGlnValGluLysAspTyrIleLysIleLeuAsnPheLysGluIlePheLeuGlu 180
 Db 1510 CACATACAAAGTGGAGAAAGATTACAAAGATAAAATCAAACTTCAAGAGATTTCCTGAA 1569
 Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGACAAACAGTGCATATTTGATTTTCTGCCATCTATGATGATGCCCCCTCCCAACTCT 1629
 Qy 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
 Db 1630 GGCCTGATTGGACAGTCTGTGGCGGTGTGACTCCACCTTCGATCGTATCAAACTCT 1689

221 LeuThrValValLeuSerThrAspTyrAlaAenSerTyrArgGlyPheSerAlaSerTyr 240
1690 CTGACTGTCGTGTCTACAGATTATGCCAATCTTACCGGGATTTCTGCTTCCTAC 1749
241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
1750 ACTCAATTATGAGAAACAACTCAACTACATCTTTAACTTGCTCTTCGACAGGATG 1809
261 ArgValIleIleSerIleSerTyrIleGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
1810 AGAGTTATTATAGCAAAATCTTACCTAGAGGCTTTTAACTCTAATGGGAATACTGCAA 1869
281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProIleu 300
1870 CTAAAGACCCCACTTGCAGACCAAAATATCAAAATGTGTGGAAATTTCTGCTCCCTCTT 1929
301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle 320
1930 AATGGATGTGTACCAATCAGAAAGGTAGAGATCAGTCAATTAATCAACCAATATAATC 1989
321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
1990 ACCTTTTCTGCATCTCACTTCTCAAGTGATCACCGCTCAGAACCACTCCAGATTATT 2049
341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleIleThrIleThrGluAspAsp 360
2050 GTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATACAGAGATGAT 2109
361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
2110 GTAAACAAAGTCAAAATGGCACTGGGCAAAATATACACAGCATGGGTCTTTTGAATCC 2169
381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
2170 AATTCATTGAAAGACTATCTTGAATCACATATATATGAGATTTGACCAACTCTT 2229
401 PheValGlnValSerLeuHisThrSerAspProLeuValValPheLeuAspThrCys 420
2230 TTGTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTTGATACCTGT 2289
421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
2290 AGAGCTCTCCACCTCTGACTTTGCATCTCCACCTACGACCTTAATCAGAGTGGATG 2349
441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
2350 AGTCGAGATGAACTTGTAAAGTGATCCCTTATTTGGACACTATGGGAGATTCACATTT 2409
461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
2410 AATGCTTTAAATCTTGAAGATGATGAGCTCTGTATATCTGCAGTGTAAAGTTTGTATA 2469
481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
2470 TGTGATAGCAGTGACCAACAGCTCTGCTGCAATCAAGTTGTGTCTCCAGAGCAACGA 2529
501 AsnIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
2530 GACATTTCTTCAATATAATGGAACACAGATTCATCATAGACCCATTCGTCTGAAAGG 2589
521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
2590 GATCAAGTGCAGTGGCAATTCAGGATTTGAGATGAAACATGCGGAGAAACTTCCA 2649
541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
2650 AACAGCCTTCAACAGGTGTCATCTGTTTCTTCTTCTAGCTCTGATGTGTGTG 2709
561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
2710 ACTGTAGGACCAATCACAGTGAGGATTTGTAAATCAACGGGAGAGCTACAAATACCG 2769
581 LysLeuGlnAsnTyr 585

Db 2770 AAGCTGCAGAACTAT 2784

RESULT 6

US-09-907-824-189
Sequence 189, Application US/09907824
Publication No. US20020197671A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,824
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219

; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-09-907-824-189

Alignment Scores:

Pred. No.: 0 Length: 2917
 Score: 3064.00 Matches: 585
 Percent Similarity: 100.00% Conservatives: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-824-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
 Db 1030 ATGGCGAGGCTGAAGCAATCAAGTCGACAGTCAGTCAGTGGGGTGGCAATATGCA 1089
 QY 21 GluThrHisGlyAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrThrIle 40
 Db 1090 GAGACCCACAAAGCCATGATCTGCAACTCAATCCAGTGAGAACTGCACCTGGACATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
 Db 1150 GAAAGCCAGAAACAAAGCATCAGAAATATCTTTCTATGTCAGCTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACTCCAGCAATGGGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGGCAAGCTGCGAGTAAACAGCATATGTTCTCTGTTATGATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGAGCTTTCAATAGTTACTGACTCAGCAAGAAATCAAGAACTGCTTTGTTCTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 Db 1390 TACTTCTCTCTCAATACATCTATTCCAACTGTGGCGGTACCTGGATACCTTGAA 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
 Db 1450 GGATCCTTCACCAAGCCCAATTAACCAAGCGCATCTCTGAGCTGGCTTATGTGTGG 1509
 QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 Db 1510 CACATACAGTGGAGAAAGATTACAGATATAAACTAAACTTTCAAGAGATTTTCTAGAA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGACAACACATGCAATTTGATTTCTTGCACTATGATGGCCCTCCACCAACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
 Db 1630 GGCCTGATTGGACAAGTCTGTGGCGGTGTGACTCCCACTTCGAATCGTCATCAAACTCT 1689
 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 Db 1690 CTGACTGTCTGTGTCTACAGATTATGCCAATCTTTACCGGGGATTTTCTGCTTCCTAC 1749
 QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 Db 1750 ACCTCAATTTATGCGAGAAACATCAACTACATCTTTAACTGCTCTCTTCGACAGATG 1809
 QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
 Db 1810 AGAGTTATTATAAGCAAACTCTACCTACCTAGAGGCTTTTAACTCTTAATGGGAATACTGCAA 1869

QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 Db 1870 CTAAGAAGACCAACTTGCAGACCAAAATATCAAAATGTTGTGGAATTTTCTGCTCCTCTT 1929
 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
 Db 1930 AATGGATGTGGTACAAATCAGAAAGGTAGAAAGTCAAGTCAATTTACTACCAATATAATC 1989
 QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 Db 1990 ACCTTTTCTGCACTCTCAACTCTGAGTGATCAACCGTCAGAAACAACCTCCAGATTAT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 Db 2050 GTGAAGTGTGAATGGGACATAATCTACAGTGGAGATAATATACATACAGAAGATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 Db 2110 GTAATACAAAGTCAAAATGCATCGGCAATATACACCAGCATGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGlnSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 Db 2170 AATTCATTTGAAAGACTATCTTGAATCACCATTATATGTGGATTGGAACCAACTCTT 2229
 QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 Db 2230 TTTGTTCAAGTTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTCTTCTGATACCTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 Db 2290 AGAGCTCTCCCACTCTGACTTTCATCTCCAACTCAGACCTAATCAAGAGTGGATGT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 AGTCGAGATGAACCTTGTAAAGTGTATCCCTTATTGACACACTATGGGAGATTCAGATT 2409
 QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
 Db 2410 AATGCCCTTTAAATTTCTTGAGAAAGTATGAGTCTGTGTATCTGCAGTGTAAAGTTTGATA 2469
 QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATAGCAGTGACCAACAGTCTCGTCAATCAAGGTGTGTCTCCAGAAGCAACGA 2529
 QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTCATATAATGAAACAGATTCATCATAGACCCATTCGTCTGNAAGG 2589
 QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAAGTGAAGTGGCAATTCAGGATTCAGCATGAAACACATGCGGAAGAACTCCA 2649
 QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACCAAGCTTTCAACAGTGTGCACTGTCTTTCCTTCATGGTTCTAGCTCTGAATGGTG 2709
 QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 Db 2710 ACTGTAGCACAATCACAGTGGAGCATTTGTAAATCAACGGCGAGACTACAAATACCAG 2769
 QY 581 LysLeuGlnAsnTyr 585
 Db 2770 AAGCTGCAGAACTAT 2784

RESULT 7

US-09-907-841-189
 ; Sequence 189, Application US/09907841
 ; Publication No. US20020198366A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David

```
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,841
PRIOR FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1998-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1998-11-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-841-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-841-189 (1-2917)

Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGGGGAGGCTGAGGCAATGCAAGCTGCACAGTCACTCTAGGGGGTCCCAATATGGCA 1089

Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCCAAGGCCATGATCTCGCAACTCAATCCAGTGAGAACTGCACCTGGACAATA 1149
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Qy 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCAGAAAACAAAGGCATCAGAAATTATCTTTCTATGTCACAGTTGATCCAGAT 1209

Qy 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAGAACATTAAGTCTTTGACGGAACCTCCAGCAATGGGCGCTGTG 1269

Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAGTAAAGCACTATGTTCTGTATTGATCATCATCCAGTACA 1329

Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAGAGAACTGTCTTTGTCTTCTAC 1389

Qy 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTTCTCTCTAACATCTCTATTCCAAACTGTGGGGTTACTGGATACCTTGGAA 1449

Qy 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
Db 1450 GGATCCTTCACCGAGCCCAATTACCCAAAGCGCATCTGAGCTGGCTTATTGTGTGG 1509

Qy 161 HisIleGlnValGluLysAspTyrIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CATACATCAAGTGGAGAAAGATTACAAGATAAACTTAAACTTCAAGAGATTTTCTAGAA 1569

Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCAAATTTGATTTTCTGCCATCTATGATGGCCCTCCCAACTCT 1629

Qy 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
Db 1630 GGCCTGATTGGCAAGTCTGTGGCGGTGTGACTCCACTTCGAATCGTCACTCAACTCT 1689

Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCTGTCTCTACAGATTATGCCAATCTTACCGGGGATTTTCTGCTCTCTAC 1749

Qy 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCAAGAAACATCAACACTACATCTTTAACTTGTCTCTCTGACAGGATG 1809

Qy 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAGCAATCTCTACTAGAGGCTTTTAACTCTAATGGGAATTAATTTGCA 1869

Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGAGACCAACTTGCAGACCAAAATTAATAATTTGTGGAATTTTCTGCTCCCTCT 1929

Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGGATGTGGTACAAATCAGAAAGTAGAATCAGTCAATCTTACACCAATATATATC 1989

Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTGCATCCTCAACTTCTGAGTGTATCACCCTGAGAAACAACTCCAGATTATT 2049

Qy 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATAATTTCTACGTGAGATAATATATACATAACAGAGATGAT 2109

Qy 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCACTGGGCAAAATATACACCAAGCATGGCTCTTTTGAATCC 2169

Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrIleu 400
Db 2170 AATTCTTTTGAAGACATATATCTTGAATCACCATAATTATGTGGATTGTGAACCAACTCTT 2229

Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
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Db 2230 TTTGTCAGTAGTCTGCACACTCAGATCCAAATTTGGGGTGTTCCTTGATACCTGT 2289
Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCCTCTCCACCTCTGACTTTGCACTCTCCAACTACGACCTTAATCAAGAGTGGATGT 2349
Qy 441 SerArgAspGluThrCysLeuValTyrrProLeuPheGlyHisTyrrGlyArgPheGlnPhe 460
Db 2350 AGTCAGATGAACACTTGAAGGTGATCCCTTATTGGACACTATGGAGATCCAGTTT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTAAATCTTCTGAGAAGTATGAGCTCTGTGTATCTGCAGTCTAAAGTTTGATA 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATACGATGACCACTCTCGCTGCAATCAAGGTTGTGTCTCCAGAAGCAACGA 2529
Qy 501 AspIleSerSerTyrrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTATATATGAAACAGATTCATCATAGGACCCATCTGCTGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAGTGAAGTGGCAATTCAGGATTTTCAGCATGAAACACATCGCGAAGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACGACCTTTCACAGTGCATCTGTTTTCCTTCATGGTTTCAGTCTGAAATGGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrrLysTyrrGln 580
Db 2710 ACTGTAGCGCAATCACAGTGAAGCAATTTTGTAATCAACGGGCAGACTACAAATACCAG 2769
Qy 581 LysLeuGlnAsnTyrr 595
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 8

US-09-904-011-189
; Sequence 189 Application US/09904011
; Publication No. US20030003530A1

GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904.011

; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-011-189

Alignment Scores:

Pred. No.:	0	Length:	2917
Score:	3064.00	Matches:	585
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-09-864-711-14 (1-585) x US-09-904-011-189 (1-2917)

Qy	1	MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla	20
Db	1030	ATGGCGAGGCTGAAGCAATGCAAGCTGACAGTCTAGGGGGTGCCAATATGGCA	1089
Qy	21	GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle	40
Db	1090	GAGACCCACAAGCCATGATCTCTGCAACTCAATCCCAGTGAAGACTGCACCTGGACAATA	1149
Qy	41	GluArgProGluAsnLysSerIleArgIleIlePheSerTyrrValGlnLeuAspProAsp	60
Db	1150	GAAGACCCAGAAAACAAAGCATCAGAAATATCTTTCTATGTCTCCAGTTGATCCAGAT	1209
Qy	61	GlySerCysGluSerGluAsnIleLysValPheAspClyThrSerSerAsnGlyProLeu	80
Db	1210	GGAAGCTGTGAAGTGAAGAAACATTAAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG	1269
Qy	81	LeuGlyGlnValCysSerLysAsnAspTyrrValProValPheGluSerSerSerThr	100
Db	1270	CTAGGGCAAGTCTGCACTAAAACGACTATGTCTCTCTATTTCATCATCATCATGATACA	1329

QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGCTTTCAATAGTACTGACTCAGCAAGAAATTCAAAGAACTGTCTTCTCTTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyIleuAspThrLeuGlu 140
Db 1390 TACTTCTTCTCTTCAACATCTCTATTCCAAATCTGGCGGTTACTCGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
Db 1450 GGATCTCTCACAGCCCCCAATACCCAAAGCCGATCTCTGAGCTGGCTTATTGTGTGG 1509
QY 161 HisIleGlnValGlnLysAspTyrIleLysLeuAsnPhyGlyIlePheLeuGlu 180
Db 1510 CACATACAGTGGAGAAAGATTACAGATATAAACTTCAAAAGAGATTTTCTTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCATTTGATTTCTTGCCATCTATGATGGCCCTCCACCACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
Db 1630 GGCTGATTTGGCAAGTCTGTGGCGGTGACTCCACCTTCGAATCTGTCATCAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTGTGTGCTACAGTATGCAATTTCTTACCGGGGATTTTGTCTTCTTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCGAAACATCAACATACATCTTTAACTTGTCTTCTGACAGGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAGCAAACTCTTACCTAGAGGCTTTTAACTCTAAATGGAAATCTTGCAT 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCCACTTGCAGACCAAAATATCAATGTGTGGATTTTCTGTCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrAsnIleIle 320
Db 1930 AATGATGTGGTACATCAATCAAGAGTAGAAGTCAATCTTACTTACCAATATATATC 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTCTGCATCTCACTTCTGAGTGATCACCGTGCAGAACTCAATATAT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATTAATCTACAGTGGAGATAATATACATACAGAGATCAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATCAAGTCAATATGCACTGGGCAATATAACACAGATGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTATATCTGAATCACCATATATGTTGATTTTGAACCAACTCT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValPheLeuAspThrCys 420
Db 2230 TTGTGTTCAAGTGTAGTGTGACACCTCAGATCAAAATTTGGTGGTGTCTTGTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTCCACCTCTGACTTTTGCATCTCACTACAGCTCAATCAAGTGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAAACTGTGAAGGTGTATCCCTTATTGGACATATGGGAGATTCAGTTT 2409

QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCCCTTTAAATCTTTGAGAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTACACCAAGTCTCGCTCAATCAATCAAGTGTGTCTCTCCAGAAACGAA 2529
QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTCATATATAATGGAAAACAGATTTCCATCATTAGGACCATTCCTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGCAGTGGCAATTCAGATTTTCAGCATGAAACACATCGCGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACAGCCCTTCAACAGTGTGCATCTGTCTTCTTCACTGTTCTAGCTCTGAATGTGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGACCAATCACAGTGGGCAATTTGTAAATCAACGGCGAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AGCTGCAGAACTAT 2784

RESULT 9
US-09-906-742-189
; Sequence 189, Application US/09906742
; Publication No. US20030023054A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,742
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28

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; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-864-711-14
Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0
US-09-864-711-14 (1-585) x US-09-864-742-189 (1-2917)
QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGAGGCTGAAGGCAATGCAAGTCACAGTCACAGTCAGTCAGGCGTCCCAATATGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrThrThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTCTGCACTCAATCCAGTGAAGTGAACCTGGCAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIlePheSerTyValGlnLeuAspProAsp 60
Db 1150 GAAAGACCAAGAAACAAAGCAATATCTTTCCATGTCAGCTTCAGCTTCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAGCAATTAAGCTTTTACGGAACTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyValProValPheGluSerSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAAGTAAACAGCACTATGTTCTCTGTTATTTGAATCATCATCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTy 120
Db 1330 TTGACGTTTCAATAGTACTGACTCAGCAAGAAATTCAGCAAGCAATCTCTGTTCTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyTyLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCAACATCTTATCCAACTGTGGCGGTACTCTGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyProLysProHisProGluLeuAlaTyCysValTrp 160

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1450 GGATCCTTCACCAGCCCAATTAACCAAGCCGATCCTCAGCTGGCTTATTGTGTGG 1509
161 HisIleGlnValGluLysAspTyLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
1510 CACATACAGTGGAGAAAGATTACAGATAAATCAACTTAACCTCAAGAGATTTTCTAGAA 1569
181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyraAspGlyProSerThrAsnSer 200
1570 ATAGACAAACAGTGCAAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCACTCT 1629
201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
1630 GGCCTGATGGCAAGTCTGGCGGTGACTCCACCTTCGAATCGTCATCAAACTCT 1689
221 LeuThrValValLeuSerThrAspTyAlaAsnSerTyArgGlyPheSerAlaSerTy 240
1690 CTGACTGTGCTGTGTCTACAGATTATGCCAATTTTACCGGGATTTTCTGCTCTCTAC 1749
241 ThrSerIleTyAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
1750 ACCTCAATTTATGCAAGAAACATCAACACTACATCTTTAACTTGTCTCTCTGACAGATG 1809
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1810 AGAGTTTATTAAGCAAAATCTCTACCTAGAGCTTTTAACTCTAATGGGAATACTTGCAA 1869
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1870 CTAAAGACCCCACTTCGACCAAAATATCAAAATGTTGTGAATTTTCTGCTCCCTCTT 1929
301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyThrAsnIleIle 320
1930 AATGATGTGTCAATCAGAAAGTAGAAGATCAGTCATTAATTAATTAATTAATTAATC 1989
321 ThrPheSerLysSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
1990 ACCTTTTCTGCATCCTCAACTTCTGAAGTGAATCACCCTGACAGAAACAACCTCCAGATTAT 2049
341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyIleThrGluAspAsp 360
2050 GTGAAGTGTGAATGGGACATAATTTACAGTGGAGATAATATACATAACAGAAATGAT 2109
361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyAsnThrSerMetAlaLeuPheGluSer 380
2110 GTATATAAAGTCAAAATGCATGGCAAAATATAACACACAGCATGGCTCTTTTGAATCC 2169
381 AsnSerPheGluLysThrIleLeuGluSerProTyTyValAspLeuAsnGlnThrLeu 400
2170 AATTCATTTGAAAGACTATCTACTTGAATCACCATAATATATGTGGATTTGAACCAACTCTT 2229
401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
2230 TTTGTTCAAGTTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTGTTTCTTGAATCTGT 2289
421 ArgLysSerProThrSerAspPheAlaSerProThrTyAspLeuIleLysSerGlyCys 440
2290 AGAGCTCTCCCACTCTGACTTTGCATCTCCACCTACAGCTAATCAAGAGTGGATGT 2349
441 SerArgAspGluThrCysLysValTyProLeuPheGlyHisTyGlyArgPheGlnPhe 460
2350 AGTCGAGATGAACCTTGTAAAGTGTATCCCTTATTTTGGACACTATGGGAGATTTCCAGTTT 2409
461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyLeuGlnCysLysValLeuIle 480
2410 AATGCTCTTAAATTTCTTGAAGATGAGCTCTGTGTATCTGCAATCAAGGTGTGTCTCCAGAAAGCA 2469
481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
2470 TGTGATAGCAGTAGCCACCACTCTGCTGCAATCAAGGTGTGTGTCTCCAGAAAGCA 2529
501 AspIleSerSerTyLysThrIleIleGlyProIleArgLeuLysArg 520
2530 GACATTTCTCATATAAATGGAAAAACAGATTCCATCATAGGACCCATTCGTCGAAAGG 2589

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QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGCAGTGGCAATTCAGGATTCAGCATGAACACATCGCGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 ACCACGCTTCCACAGTGGCATCTGTTTCTTCATGTTCTAGCTCTGAATGTGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrIlystYrGln 580
Db 2710 ACTGTAGCACAATCACAGTGGCAATTTGTAAATCAACGGGCGAGCTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AGCTGCAGAACTAT 2784

RESULT 10
US-09-906-838-189
; Sequence 189, Application US/09906838
; Publication No. US20030027143A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,838
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
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; PRIOR APPLICATION NUMBER: US 60/145,698
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; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
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; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214

; PRIOR FILING DATE: 1999-11-29
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; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-838-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-906-838-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGCGGAGGCTGAAGGCAATCAAGCTGCACAGTCACTAGGGGGTGCCTAATATGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTyrThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTGCACTCAATCCAGTGAACCTGCACCTGGACAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCAGAAACAAAGACATCAAGATTAATCTTCTATGTCCAGCTTGATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GCGAGCTGTGAAGTGAAACATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAGTAAACACGACTATGTTCTGTATTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATAGTACTGACTCAGCAAGAAATCAAGAACATGCTTTGTCTTCTTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCTAAACATCTCTATTCCAACTGTGGCGGTACCTGGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
Db 1450 GGATCCTCTCACCAGCCCAATTTACCCAAAGCCGCACTCTGAGCTGGCTTATTGTGTGG 1509
QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAGTGGAGAGATTAACAGATAAATCAATTAACCTCAAGAGATTTCTCTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCAGAAATTTGATTTCTTGCCATCTATGATGAGCCCTCCCAACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220

Db 1630 GGCCTGATTGGCAAGTCTGTGGCGTGTGATCCCACTTCGAAATGTCATCAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCTGTGTCTACAGATTATGCAATCTCTACCGGGGATTTCTGCTTCCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACTCAATTTATGCGAAGAACTACACTACATCTTTTAACCTTCTCTTCGACAGGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAAGCAAACTTACCTAGAGGCTTTTAACCTTAATGGGAATAACTTGCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCAACTTGCAGACCAAAATATCAATGTTGTGGAATTTCTGTGCTCCTTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGGATGTGTACAACTCAGAAAGGTAGAGATCAGTCAATTTACTTACCAATATATC 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTCTGCATCTCTCAACTTCTGAAGTGATCACCGCTCAGAAACAACCTCCAGATTAT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAGTGTGAATGGGACATATTTCTACAGTGGAGATAATATACATTAACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCACCTGGCAAAATATAACACAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACATATCTGAATCACCATATATGAGATTTGAACCAAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTCCACCTCTGACTTTCGATCTCCACCTACGACCTAATCAAGATGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyValPheGlnPhe 460
Db 2350 AGTCAGATGAACCTTTGAAGTGTATCCCTATTGACACTATGGAGATTCAGTTT 2409
QY 461 AsnAlaPheLysPheLeuArgSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTAAATCTTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTTCATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGTATAGATGACACACAGTCTCGCTGCATCAAGGTTGTGTCTCCAGAAAGCAACGA 2529
QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAAATGGAACACAGATTCATAGGACCCATTCGTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGCAGAGGCAATTCAGATTTTCCATGAGTGTCTAGCTCTGAATGTGGTG 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCTTTCACAGAGTGCATCTGTTTCTTCATGTTGTCTAGCTCTGAATGTGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580

Db 2710 ACTGTAGCGCAATCACTAGTAGGCAATTTTGTAAATCAACGGCGACACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784
RESULT 11
US-09-907-613-189
; Sequence 189, Application US/09907613
; Publication No. US20030027145A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,613
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-907-613-189

Alignment Scores:
 Pred. No.: 0 Length: 2917
 Score: 3064.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-613-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
 Db 1030 ATGGCGGAGCTGAAGCAATCCAGCTGCACAGTCAGTCATAGGGGTGCCAATATGGCA 1089
 QY 21 GluThrHisLysAlaMetLeuGluLeuAsnProSerGluAsnCysThrTrpThrIle 40
 Db 1090 GAGACCCCAAAAGCCATGCTGCAACTCAATCCAGTGAGAACTGCACCTGCACAAATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIlePheSerThrValGluLeuAsnProAsp 60
 Db 1150 GAAGACCCAGAAACAAAGCAGTCAGAAATTTATCTTTCTATGCTCCAGCTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 Db 1210 GGAAGCTGTGAAGTGAAGCAATTAAGCTTTTTCAGCGAAGCTCCAGCAATGGGCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspThrValProValPheGluSerSerSerThr 100
 Db 1270 CTAGGCGAAGCTCGAGTAAAGCAAGCATATGTTCTGTATTTGAATCATCATCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 Db 1330 TTGAGCTTTCAAATAGTTACTGACTCAGCAGAGATTCAGAGACTGCTTTTGCTTTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyThrLeuAspThrLeuGlu 140
 Db 1390 TACTTTCT 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
 Db 1450 GGATCCTTCAACGCCCCAATTAACCAAGCCGATCTCTGAGCTGGCTTATGTGTGTGG 1509
 QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 Db 1510 CACATACAGTGGAGAAAGATTAACAAGATAAACTAAACTTCAAAGAGATTTTCTTAGAA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 Db 1570 ATAGCAAAACAGTGCAAATTTGATTTCTCTCCATCATGATGGCCCTCCCAACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
 Db 1630 GGCCTGATTGACAAAGTCTGTGGCGGTGACTCCACCTCCAGATCGATCATCAACTCT 1689
 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 Db 1690 CTGAGTGTGGTGTCTACAGATTAATGCCAATTTCTTACCGGGGATTTCTGCTTCTCTAC 1749
 QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 Db 1750 ACCTCAATTTATGAGAAACATCAACTACATCTTTTACTTTTCTCTCTCTCTCTCTCTCT 1809
 QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280

Db 1810 AGAGTTTATTATAGCAAAATCCTACCTAGAGGCTTTTAACTCTAATGGGAATAACTTGCAA 1869
 QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 Db 1870 CTAAAAGACCCCACTTGACACAAATATCAATGTTGTGGAATTTTCTGTCCCTCTT 1929
 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
 Db 1930 AATGGATGTGGTACAAATCAGAAAGGTAGAAGATCAGTCAATTTACTACCAATATAATC 1989
 QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGluLeuGlnIleIle 340
 Db 1990 ACCTTTTCTGCAATCTCAACTCTCAAGTGATCAACCTGTCAGAAACAACTCAGATTATT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 Db 2050 GTGAGTGTGAATGGACATAATTTCTACAGTGGAGATAATATACATAACAGAGATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 Db 2110 GTAATACAAAGTCAAAATGCACTGGGCAATATATAACACCAAGCATGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 Db 2170 AATTCATTTGAAAAGACATATCTGATCAACCATATATGTGATTGGAACCAACTCTT 2229
 QY 401 PheValGlnValSerIleHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 Db 2230 TTGTGTCAGTTAGTCTGCACACCTCAGATCAAAATTTGGTGGTGTCTTTTGATACCTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 Db 2290 AGAGCTCTCCCACTCTGACTTTGCATCTCAACCTACGACCTTATCAAGATGGATGT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 Db 2350 AGTCGAGATGAACTGTGAAGGTGATCCCTTATTTGGACACTATGGAGATTCCAGTTT 2409
 QY 461 AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuIle 480
 Db 2410 AATGCTTTTAAATTTCTGAGAGATGATGAGCTCTGTGATCTGCGAGTGTAAAGTTTGATA 2469
 QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 Db 2470 TGTGATAGCAGTGACCAACCACTCTCGTGCATCAATCAAGTTGTGTCTCCAGAACCA 2529
 QY 501 AsnIleSerSerTyrLysThrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 Db 2530 GACATTTCTTCAATAAATGGAACAGATTCATCATAGACCCATTCGTCTGAAAAGG 2589
 QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 Db 2590 GATCGAAGTGCAGTGGCAATTCAGGATTTCAAGATGAACACATCGCGAAGAACTCCA 2649
 QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 Db 2650 AACCAAGCTTTCAACAGTGTGCATCTGTCTTCTCTTCAATGTGTCTAGCTCTGAATGTGGT 2709
 QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 Db 2710 ACTGTAGGACCAATCAACAGTGGGCAATTTGTAATCAAGGGCAGACTACAAATACCA 2769
 QY 581 LysLeuGlnAsnTyr 585
 Db 2770 AAGCTGCAGAACTAT 2784

RESULT 12

US-09-907-942-189
 ; Sequence 189, Application US/09907942
 ; Publication No. US20030027146A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi

```

; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,942
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-942-189

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Alignment Scores:
Pred. No.: 0
Score: 3064.00
Percent Similarity: 100.00%
Length: 2917
Matches: 585
Conservative: 0

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Best Local Similarity: 100.00%      Mismatches: 0
Query Match: 100.00%      Indels: 0
DB: 10      Gaps: 0
US-09-864-711-14 (1-585) x US-09-907-942-189 (1-2917)

Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGGAGGCTGAAGGCAATCAAGCTGCACAGTCAGTCTAGGGGGTGCCTAATATGCA 1089
Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTCTGCACTCAATCCAGTGAGAACTGCACCTGGCAATA 1149
Qy 41 GluArgProGluAsnLysSerIleAargIleIlePheSerTyrrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCCAGAAAACAAAGCATCAGAAATATCTTTCTATGTCCAGCTTGATCCAGAT 1209
Qy 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGAGTGAAGAACATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGSCAAGTCTGCAGTAAACGACTATGTCTCTGTTATTTGAATCATCATCCAGTACA 1329
Qy 101 LeuThrPheGlnIleValThrAspSerAlaAargIleGlnAargThrValPheValPheTy 120
Db 1330 TTGACGTTTCAATATGTTACTGACTCAGCAAGAANTCAAGAAGACTGTCTTTGTCTTCTAC 1389
Qy 121 TyrPhePheSerProAsnLysSerIleProAsnCysGlyGlyTyrrLeuAspThrLeuGlu 140
Db 1390 TACTTCTTCTCTCTAAACATCTCTATTCCAAACTGTGGCGGTACTTGGATACCTTGGAA 1449
Qy 141 GlySerPheThrSerProAsnTyrrProLysProHisProGluLeuAlaTyrrCysValTrp 160
Db 1450 GGATCCTTCACCAGCCCAATTTACCCAAAGCGCATCTCGAGCTGGCTATTGTGTGG 1509
Qy 161 HisIleGlnValGluLysAspTyrrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAAAGTGAGAGAGATTACAAGATAAACAATAAACTTCAAGAGATTTCCTAGAA 1569
Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCAAATTTGATTTTCTTGCCATCTATGATGCCCCCTCCACCACTCT 1629
Qy 201 GlyLeuIleGlyGlnValCysGlyAargValThrProThrPheGluSerSerSerAsnSer 220
Db 1630 GGCCTGATTGGACAAAGTCTGTGGCGGTGTGACTCCACCTTCGAATCGTCAACAACCTCT 1689
Qy 221 LeuThrValValLeuSerThrAspTyrrAlaAsnSerTyrrArgGlyPheSerAlaSerTy 240
Db 1690 CTGACTGTGTTGTCTACAGATTATGCCAATTTCTACCGGGGATTTTCTGCTTCTCTAC 1749
Qy 241 ThrSerIleTyrrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCAGAAAACATCAACACTACATCTTTAACTGCTCTTCTTCAGCAGATG 1809
Qy 261 ArgValIleIleSerLysSerTyrrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
Db 1810 AGAGTTATTATTAAGCAAAATCTTACCTAGAGCTTTTAACTCTAATGGGAATAACTTGCAG 1869
Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAGAGACCCCAACTTGCAGACCAAAAATTTATCAATGTGTGGAAATTTTCTGTCCCTCT 1929
Qy 301 AsnGlyCysGlyThrIleAargLysValGluAspGlnSerIleThrTyrrThrAsnIleIle 320
Db 1930 AATGGATGTGTACAAATCAGAAAGTAGAGATCAGTCAATTAATTAATTAATTAATTAATTA 1989
Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTGCATCTCTCACTTCTGAGTGATCAGGCTGATCAGGCTGAGAACTCACTCA 2049

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QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluLeuIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATAATCTACAGTGGAGATAATATACATAACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAAATCAAGTCAAAATGACCTGGGCAATATACACAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTACTACTGTAATCACCATAATTATGTGGATTGAACCAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValPheLeuAspThrCys 420
Db 2230 TTGTTCAGATTAGTCTGACACCTCAGATCCAAATTTGGTGGTGTCTTTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCCTCTCCCACTCTGACTTTGCATCTCCAACCTACGACCTTAATCAAGAGTGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAAACTTGTAAAGTGTATCCCTTATTGGACATATGGGAGATTCAGATT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCCTTTAAATCTTGAGAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGTATA 2469
QY 481 CysAsnSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGAACCACTGCTGCTGCAATCAAGGTGTGTCTCCAGAGCAACGA 2529
QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleLeuGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAAATGGAACAGATTTCATCATAGACCCATTCGCTGTAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGAAGTGGCAATTCAGGATTTGAGATGAAACATGCAACATGCGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCACTTTCAACAGTGTGATCTGTTTCTTCATGTTTCTAGCTCTGAATGTGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGACATACATCAGTGGGCAATTTGTAAATCAACGGCGCAGACTACAAATACGAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 13

US-09-904-859-189
; Sequence 189, Application US/09904859
; Publication No. US20030036060A1
; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,859
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien

US-09-904-859-189

Alignment Scores:

Pred. No.:	0	Length:	2917
Score:	3064.00	Matches:	585
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-09-864-711-14 (1-585) x US-09-904-859-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGCGGAGGCTGAAGGCAATTCAGCTGACAGCTGCAAGCTAGGCTGCTGCAATATGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40

1090 GAGACCCCAAGGACCATGCTGCAACTCAATCCAGTGAAGACGACCTGACCAATA 1149
41 GluArgProGluAsnLysSerIleArgIlePheSerTyrValGlnLeuAspProAsp 60
1150 GAAAGACCAAGAAACAAAGACATCAGAAATATCTTTCTATATGTCAGCTTGATCCAGAT 1209
61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
1210 GGAAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
1270 CTAGGCGAAGTCTGAGTAAACACCACTATGTTCTGTATTGATCATCATCCAGTACA 1329
101 LeuThrPheGlnLeuValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATCAAGAACTGTCTTTGTCTTTAC 1389
121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
1390 TACTTCTTCTCTCCCTAACATCTCTATTCCAACTGTGGCGGTACCTGGATACCTTGAA 1449
141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
1450 GGATCTCTCACAGCCCAATTAACCAAGCGCATCTGAGCTGGCTTATTTGTGTGG 1509
161 HisIleGlnValGluLysAspTyrLysLysLeuAsnPheLysGluIlePheLeuGlu 180
1510 CACATACAAAGTGGAGAAAGATTACAAAGATAAACTTAACTTCAAGAGAAATTTCTAGAA 1569
181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
1570 ATAGACAACAGTGCAAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCACTCT 1629
201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
1630 GGCCTGATTGGACAAAGTCTGTGGCCCTGTGACTCCCACTTCGAATCGATCACTAACTCT 1689
221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
1690 CTGACTGCTGTTGTTCTACAGATTATGCCAAATCTTACCGGGGATTTCTGTCTCTAC 1749
241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
1750 ACCTCAATTTATGCAGAAACATCAACTACATCTTTAACTGCTCTCTGACAGGATG 1809
261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
1810 AGAGTTATTATAAGCAATCTCTACCTAGAGGCTTTTAACTCTAATGGGAATACTTGCAA 1869
281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
1870 CTAAAGACCCCACTTGACAGCAAAATATCAATGTTGTGGAATTTCTGTCTCTCT 1929
301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIle 320
1930 AATGGATGTGTACATCAATCAGAAAGGTAGAAGTCAATTAATTAATCAATATAATC 1989
321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIle 340
1990 ACCTTTCTGCATCTCTCACTTCTGAAAGTGTATCCCGTCAAGAAACCACTCCAGATTAT 2049
341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
2050 GTGAAGTGTGAATGGGACATAATCTACAGTGGAGATAATATACATAACAGAAAGATGAT 2109
361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
2110 GTAATACAAAGTCAAAATGGCACTGGGCAATATACACCAAGTGGCTCTTTTGAATCC 2169
381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400

2170 AATTCAATTTGAAAAGACTATACCTTGAATCACCATATTATGTGATTTGAACCAACTCTT 2229
401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
2230 TTGTTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTCTGATACCTGT 2289
421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
2290 AGAGCTCTCCCACTCTGACTTTCATCTCCCACTCAGACCTAATCAAGAGTGGATGT 2349
441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
2350 AGTCGAGATGAACCTTGAGGTGTATCCCTTATTGGACACTATGGGAGATTCAGATT 2409
461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
2410 AATGCCCTTAAATTTCTTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGATA 2469
481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
2470 TGTGATAGCAGTGACCCAGCTCTCGTCAATCAAGGTGTGTCTCCAGAAAGCAACGA 2529
501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
2530 GACATTTCTCATATAAATGGAACAGATTCCATCATAGGACCATTCGTCTGAAAGG 2589
521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
2590 GATCGAAGTGCAGGTGGCAATTCAGGATTTCCAGCATGAACACACATGCGGAAGAACTCCA 2649
541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
2650 AACCGCTTTCAACAGTGTGCATCTGTTTCTTCATGGTCTAGCTCTGATGTGGTG 2709
561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
2710 ACTGTAGCAGCAATCAGCTGAGGCAATTTGTAAATCAACGGGCAGACTACAAATACCAG 2769
581 LysLeuGlnAsnTyr 585
2770 AAGTCGAGAACTAT 2784

RESULT 14
US-09-909-204-189
; Sequence 189, Application US/0909204
; Publication No. US2003003061A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/909,204
 ; CURRENT FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414
 ; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-03-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-909-204-189

Alignment Scores:
 Pred. No.: 0 Length: 2917
 Score: 2064.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-909-204-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
 DB 1030 ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGCATATGGCA 1089
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTyrIle 40
 DB 1090 GAGACCCACAAGCCATGATCTCTGCACTCAATCCAGTGGAACTGCACCTGGACAATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
 DB 1150 GAAACACCAAGAAACAAAGCATCAGAAATATCTTCTATGTCAGCTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 DB 1210 GGAACCTGTGAAGTGAAGAAACATTAAAGCTTTTGACGGAACCTCCGCAATGGGCGCTCG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100

DB 1270 CTAGGCGAAGTCTGCAGTAAACACGACTATGTTCTGTATTTGAATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 DB 1330 TTGACGTTTCAAAATAGTTACTGACTCAGCAAGAAATTCAAAGAACTGTCTTTGTCTTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 DB 1390 TACTTCTCTCTCTAAACATCTATTCCAAACTGTGGGGGTACTCGATGATACCTTGGAA 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
 DB 1450 GGATCCTTCCACAGCCCAATTTACCCAAAGCCGATCTCTGAGCTGGCTTATTTGTGTGG 1509
 QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 DB 1510 CACATACAGTGGAGAGATTACAGATAAATCTAACTTCAAGAGATTTTCTTAGAA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 DB 1570 ATAGACAAACAGTGCATAATTTGATTTCTGCCATCTATGATGGCCCTCCACCACTCT 1629
 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
 DB 1630 GGCCTGATGGACAGTCTGTGGCCGTGTGACTCCACCTTCGAATGTCTCAAACTCT 1689
 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 DB 1690 CTGACTGTCTGTCTCTACAGATTATGCCAATTTCTACCGGGGATTTCTGTCTCTAC 1749
 QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 DB 1750 ACCTCAATTTATGCAAGAAACATCAACACTACATCTTTAACTTCTCTTCTGACAGGATG 1809
 QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
 DB 1810 AGAGTTATTATAAGCAATCTCTACAGAGCTTTTAACTCTAATGGCAATAACTTGCAC 1869
 QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 DB 1870 CTAAAGAGCCCAACTGTGAGACCAAAATTTACAAATGTGTGGAAATTTCTGTCTCTCT 1929
 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
 DB 1930 AATGGATGTGTACATCAATCAGAAAGGTAGAGATCAGTCAATTAATTACACCAATAATAATC 1989
 QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 DB 1990 ACCTTTCTGTCATCTCTCACTTCTGAAGTGTATCCCGGTGAGAAACCACTCCAGATTATT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 DB 2050 GTGAAGTGTGAATGGGACATAATCTACAGTGGAGATATATATACATAACAGAGATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 DB 2110 GTAATACAAAGTCAAAATGCACTGGGCAAAATATACACCAAGCATGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 DB 2170 AATTCATTTGAAGACTATATCTTGAATCACCATTATGATGGATTGTGAACCAAACTCTT 2229
 QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValPheLeuAspThrCys 420
 DB 2230 TTTGTTCAAGTTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTCTTTGATACCTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAspSerProThrTyrAspLeuIleLysSerGlyCys 440
 DB 2290 AGAGCTCTCCACCTCTGACTTTGCAATCTCCAACTACACCTACACCTAATCAAGAGTGTGT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
 DB 2350 AGTCGAGATGAACCTGTAGGTGTATCCCTTATTTCGACACTATGGAGATTCAGCTTT 2409

QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuile 480
Db 2410 AATGCGCTTTAAATCTTGAAGATATGAGCTCTGTATCTCGAGTAAAGTTTGATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGACCAACAGCTCTCGTCAATCAAGGTGTCTCCGAAGCAACGA 2529
QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTCATATAAATGAAACAGATTCATAGGACCCATTGCTCTGAAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGlnThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTCAAGTGGCAATTCAGGATTCAGCATGAAACACATCGCGGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACAGCCITTCACAGTGTGCATCTGTTTCTCTTCATGTTCTAGCTCTGAATGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGACATCACTAGTGGCATTGTAATCAACGGGCGAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AGCTGCAGACTAT 2784

RESULT 15

US-09-904-820-189
; Sequence 189, Application US/09904820
; Publication No. US20030036094A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,820
; CURRENT FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222

; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
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; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-904-820-189
Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 3064.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0
US-09-864-711-14 (1-585) x US-09-904-820-189 (1-2917)
QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGAGCTGAAGGCAATGCAAGCTGCACAGTCTAGGGGGTGCCATATGGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCCAAGCCATGATCTCTGCAACTCAATCCAGTGAAGTCCACCTGGACAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProasp 60
Db 1150 GAAAGACCGAAGAAACAAAGCATCAGATTATCTTTCTATGTCCAGTTTATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTCAAAACATTAAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAAGTAAACCGACTATGTCTCTGTTATTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACCGTTTCAATAGTACTGCTCAGCAAGAAATCAAGAACTGTCTTTCTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrIleuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCAACATCTCTATTCCAAACTGTGGGGTTAGCTGATACCTTGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160

Db 1450 GGATCCTTCACAGCCCAATTAACCAAGCCCATCTGAGTCGCTTATTGTGTGG 1509
Qy 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPhelLysGluIlePheLeuGlu 180
Db 1510 CACATCAAGTGAGAGAGATTACAGATAAATAACTTAACCTTCAAGAGATTTCCTAGAA 1569
Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCATAATTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629
Qy 201 GlyLeuIleGlnValCysGlyArgValThrProThrPheGlnSerSerAsnSer 220
Db 1630 GGCTGATGGACAAGTCTGTGGCCGTGTGACCTCCACCTTCGAATCGTCACCAACTCT 1689
Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCTGTGTCTACAGATTATGCCAATTCCTACCGGGGATTTCTGCTTCTCTAC 1749
Qy 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACTCAATTATGACGAAACATCAACACTACATCTTTAACTTGCTTCTGACAGGATG 1809
Qy 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
Db 1810 AGAGTTATTATAAGCAATCCTACCTAGAGCTTTTAACTTAATGGGATTAACCTGCA 1869
Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCAACTTGCAGACCAAAATATCAATGTTGTGGAATTTCTGCTCCCTCTT 1929
Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGGATGTGTACATCAGAAAGTAGAGATCAGTCAATTAATTAACCAATTAATC 1989
Qy 321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuIleIle 340
Db 1990 ACCTTTCTGCATCCTCAACTCTGAAAGTATCACCCGTGAGAAACAACTCCAGATTAT 2049
Qy 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAsp 360
Db 2050 GTGAGTGTGAATGGGACATAATTTCTACGTGGAGATTAATATACATAACAGAGATGAT 2109
Qy 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCATCGGCAAAATAAACACAGCATGCTCTTTTGAATCC 2169
Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTATACTTGAATCACCATATTAATGTGGATTGAAACCAACTCTT 2229
Qy 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTCTTCTGTATCTGT 2289
Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCCTCTCCACCTCTGACTTGGATCTCCAACTAGCACTTAATCAAGAGTGGATGT 2349
Qy 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAACCTTGTAAAGGTATTCCTTATTTGGACACTATGGGAGATTCCAGTTT 2409
Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCCCTTTAAATCTTGAGAAGTATGAGCTCTGTGTATCTGCACTATGGAGATTCCAGTTT 2469
Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTACACCACTCTCGTCCAAATCAAGGTTGTCTCCAGAGCAACCA 2529
Qy 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520

Db 2530 GACATTTCTTCATATAAATGAAAAACAGATTCATCATAGACCCATTCGTCGAAAAAG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTCAAGTGGCAATTCAGGATTTTCAGCATGAAACATTCGGGAGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCTTTTCAACAGTGTGCATCTGTTTCTCTCATGTTCTAGCTCTGATGTGGTG 2709
Qy 561 ThrValAlaIleThrIleThrValAlaArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCAATATCAGTGGAGCAATTTGTAAATCAGGGCAGACTACAAATACCAG 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

Search completed: February 18, 2004, 21:50:28
Job time : 652.196 secs

GenCore version 5.1.6
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Run on: February 18, 2004, 19:09:54 ; Search time 55.25 Seconds
(without alignments)
2561.312 Million cell updates/sec

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Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
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Searched: 682709 seqs, 277475446 residues

Word size: 1

Total number of hits satisfying chosen parameters: 1360453

Minimum DB seq length: 0

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Post-processing: Listing first 45 summaries

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6: /cgn2_6/ptodata/2/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	255	100.0	1354	4	US-09-610-906-2
4	28	11.0	233	4	US-09-610-906-3
5	25	9.8	274	4	US-09-610-906-4
6	20	7.8	325	4	US-09-610-906-10
7	15	5.9	95	4	US-09-610-906-11
8	15	5.9	159	4	US-09-610-906-9
9	12	4.7	620	4	US-09-610-906-7
10	12	4.7	279	4	US-09-610-906-8
11	11	4.3	699	4	US-09-328-352-2119
12	10	3.9	792	4	US-09-489-039A-4876

c 13	9	3.5	59065	4	US-09-813-817-3	Sequence 3, Appli
c 14	9	3.5	59065	4	US-09-978-197-3	Sequence 3, Appli
c 15	8	3.1	243	4	US-09-253-991A-16445	Sequence 16445, A
c 16	8	3.1	282	4	US-09-621-976-13738	Sequence 13738, A
c 17	8	3.1	486	4	US-09-621-976-76	Sequence 76, Appli
c 18	8	3.1	562	4	US-09-610-906-6	Sequence 6, Appli
c 19	8	3.1	595	3	US-09-276-531-63	Sequence 63, Appli
c 20	8	3.1	909	4	US-09-252-991A-4957	Sequence 4957, Ap
c 21	8	3.1	1332	4	US-09-252-991A-4992	Sequence 4992, Ap
c 22	8	3.1	1480	4	US-09-143-569-1	Sequence 1, Appli
c 23	8	3.1	1771	3	US-08-818-112-13	Sequence 13, Appli
c 24	8	3.1	1771	4	US-08-818-111-13	Sequence 13, Appli
c 25	8	3.1	1771	4	US-09-058-586-13	Sequence 13, Appli
c 26	8	3.1	1771	4	US-09-072-967-13	Sequence 13, Appli
c 27	8	3.1	1771	4	US-09-072-967-13	Sequence 13, Appli
c 28	8	3.1	1908	4	US-09-252-991A-4943	Sequence 4943, Ap
c 29	8	3.1	2481	1	US-08-467-568-1	Sequence 1, Appli
c 30	8	3.1	2481	2	US-09-030-582-1	Sequence 1, Appli
c 31	8	3.1	2481	5	PCT-US94-09051-1	Sequence 1, Appli
c 32	8	3.1	2780	4	US-09-620-312D-358	Sequence 358, App
c 33	8	3.1	7096	4	US-09-221-017B-373	Sequence 373, App
c 34	8	3.1	42988	4	US-08-311-731A-128	Sequence 128, App
c 35	8	3.1	4403765	3	US-09-103-840A-2	Sequence 2, Appli
c 36	8	3.1	4403765	3	US-09-103-840A-2	Sequence 2, Appli
c 37	8	3.1	4411529	3	US-09-103-840A-1	Sequence 1, Appli
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c 40	7	2.7	134	4	US-09-621-976-12573	Sequence 12573, A
c 41	7	2.7	210	4	US-09-328-352-1593	Sequence 1593, Ap
c 42	7	2.7	225	4	US-09-489-039A-4575	Sequence 4575, Ap
c 43	7	2.7	240	4	US-09-023-655-129	Sequence 129, App
c 44	7	2.7	247	4	US-09-016-434-262	Sequence 262, App
c 45	7	2.7	258	4	US-09-134-000C-1293	Sequence 1293, Ap

ALIGNMENTS

RESULT 1
US-09-610-906-5
; Sequence 5, Application US/09610906
; Patent No. 6586086
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Inocyte ID No. 6566066 1804734CB1
; PUBLICATION INFORMATION:
US-09-610-906-5

Alignment Scores:
Pred. No.: 3.3e-240 Length: 1312
Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservatives: 0
Best local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

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 Db 111 ATGTGTGAGCTGAATTTGGCAATGACAGGCCAGGAGCGTGGTGGCAGGTGG 170
 Qy 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
 Db 171 CGAGTGTCTGGTACGAAACGGTTGTGTGACGCCATGCTGTGTAATGCTGGGCTGTGCT 230
 Qy 41 LeuPheilePheileGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 Db 231 CTCTTCATCTTCATCGGTGCTGTCGATGAGATGGGACGACACTGGGTGCTG 290
 Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
 Db 291 CAGCGGCCCTGCGCCACCGGCTGCTTTGGGGCTGCTGATTTGCCACGCTGGGGAATATC 350
 Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
 Db 351 AGTGGTGGACACTTCAACCTCGGTGTCCCTGGCAGCCATGCTGATCGGAGGCTTCAAC 410
 Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyCysMetLeuGlyAlaAla 120
 Db 411 CTGGTGTATGCTCTCCGCTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 470
 Qy 121 LeuAlaIysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 Db 471 TTGGCCAGGCGGTGAGTCTGAGGAGAGGTTCTGGAATGCAATCTGGGGCGGCTTTGTG 530
 Qy 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuLeuThr 160
 Db 531 ACAGTCCAGGAGCAGGCGGAGTGGCAGGGCGCTTGGTGGCAGAGATCATCTCGACGAGC 590
 Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGlyLeuThrIleGlyProLeuAla 180
 Db 591 CTGCTGCTGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 650
 Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyCysProValSerGly 200
 Db 651 CCGTTCCTCATCGCTTTGCGGTACCGTGGATATCTCGCTGGGGGCGCTGTGTCTGGA 710
 Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
 Db 711 GGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 770
 Qy 221 HistripIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
 Db 771 CACTGTATCTACTGGTGGGCGGCTGCTGGTGGGCTGCTGGTGGGCTGCTGGTGGGCTG 830
 Qy 241 CysPheileGlyAspGlyLysThrArgLeuIleLeuLeuAlaArg 255
 Db 831 TGCTTCATTGGAGATGGGAGACCCGCTCATCTGAGAGGCTCGG 875

RESULT 2

US-09-976-594-346
 ; Sequence 346, Application US/09976594
 ; Patent No. 6673549
 ; GENERAL INFORMATION:
 ; APPLICANT: Buchbinder, Jenny
 ; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
 ; FILE REFERENCE: PA-0041 US
 ; CURRENT APPLICATION NUMBER: US/09/976,594
 ; CURRENT FILING DATE: 2001-10-12
 ; PRIOR FILING DATE: 2000-10-12
 ; NUMBER OF SEQ ID NOS: 1143
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 346
 ; LENGTH: 1312
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature

OTHER INFORMATION: Incyte ID No. 6673549 1804734CE1
 US-09-976-594-346

Alignment Scores:

Pred. No.: 3,3e-240 Length: 1312
 Score: 255.00 Matches: 255
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 4 Gaps: 0

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 Qy 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
 Db 171 CGAGTGTCTGGTACGAAACGGTTGTGTGACGCCATGCTGTGTAATGCTGGGCTGTGCT 230
 Qy 41 LeuPheilePheileGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 Db 231 CTCTTCATCTTCATCGGTGCTGTCGATGAGATGGGACGACACTGGGTGCTG 290
 Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
 Db 291 CAGCGGCCCTGCGCCACCGGCTGCTTTGGGGCTGCTGATTTGCCACGCTGGGGAATATC 350
 Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
 Db 351 AGTGGTGGACACTTCAACCTCGGTGTCCCTGGCAGCCATGCTGATCGGAGGCTTCAAC 410
 Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyCysMetLeuGlyAlaAla 120
 Db 411 CTGGTGTATGCTCTCCGCTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 470
 Qy 121 LeuAlaIysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 Db 471 TTGGCCAGGCGGTGAGTCTGAGGAGAGGTTCTGGAATGCAATCTGGGGCGGCTTTGTG 530
 Qy 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuLeuThr 160
 Db 531 ACAGTCCAGGAGCAGGCGGAGTGGCAGGGCGCTTGGTGGCAGAGATCATCTCGACGAGC 590
 Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGlyLeuThrIleGlyProLeuAla 180
 Db 591 CTGCTGCTGCTGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 650
 Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyCysProValSerGly 200
 Db 651 CCGTTCCTCATCGCTTTGCGGTACCGTGGATATCTCGCTGGGGGCGCTGTGTCTGGA 710
 Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
 Db 711 GGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 770
 Qy 221 HistripIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
 Db 771 CACTGTATCTACTGGTGGGCGGCTGCTGGTGGGCTGCTGGTGGGCTGCTGGTGGGCTG 830
 Qy 241 CysPheileGlyAspGlyLysThrArgLeuIleLeuLeuAlaArg 255
 Db 831 TGCTTCATTGGAGATGGGAGACCCGCTCATCTGAGAGGCTCGG 875

RESULT 3

US-09-610-906-2
 ; Sequence 2, Application US/09610906
 ; Patent No. 6566066
 ; GENERAL INFORMATION:
 ; APPLICANT: Walker, Michael G.
 ; APPLICANT: Volkumth, Wayne
 ; APPLICANT: Klinger, Tod M.

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; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 2774542CB1
; PUBLICATION INFORMATION:
US-09-610-906-2

Alignment Scores:
Pred. No.: 3 4e-240 Length: 1354
Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-2 (1-1354)

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QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 208 CGAGTGCTCTGTACGACGGTTTGGCAGCCATGCTGTGTCGAATGCTGGGCTCTGCT 267

QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 268 CTTCTCATCTTCATCGGGTGCCTGCTGCGTCAATTGAGATGGGACGACATGGGCTGCTG 327

QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrIleuGlyAsnIle 80
DB 328 CAGCGCGCCCTGGCCACCGGCTGGCTTTGGGGCTGCTGATGTCACCGCTGGGGAATTC 387

QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
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QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 448 CTGGTGATGCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 507

QY 121 LeuAlaLeuAlaValSerProGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
DB 508 TTGGCCACAGCGGTGATGCTCTGAGAGAGGTTCTGGAATGCAATCTGGGGCGGCTTTGTG 567

QY 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleIleLeuThrThr 160
DB 568 ACAGTCCAGGAGCAGGGGCGAGTGGCAGGGGCGTTGGTGGCAGAGATCATCTGACGACG 627

QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrIleGlyProLeuAla 180
DB 628 CTGCTGGCCCTGGCTGTATGCAATGGGTGCAATGAGAGACAAAGGGGCGCTCTGGCC 687

QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 688 CCGTTCTCATCGGCTTTGCCCTCACCGTGGATATCTCTGGCTGGGGGCGCTGTGTCTGA 747

QY 201 GlyCysMetAsnProAlaAlaGlnPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
DB 748 GGTGTGATGAATCCCGCCGCTCTTTTGGACCTGCGGTGGTGGCCCAACCACTGGAACCTC 807

QY 221 HisTrpIleTyrTrpLeuGlyProLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
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DB 808 CACTGGATCTACTGGCTGGGCCACATCTCTGGCTGGCTGCTGTTGGACTGCTCATTAGG 867

QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 868 TGCTTATTGGAGATGGAGAGCCGCCCTCATCTCTGAGGCTCGG 912

RESULT 4
US-09-610-906-3
; Sequence 3, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 233
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 2774542H1
; PUBLICATION INFORMATION:
US-09-610-906-3

Alignment Scores:
Pred. No.: 7.76e-19 Length: 233
Score: 28.00 Matches: 28
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 10.98% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-3 (1-233)

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QY 21 ArgValSerTrpTyrGluArgPhe 28
DB 208 CGAGTGCTCTGTACGACGGTTT 231

RESULT 5
US-09-610-906-4
; Sequence 4, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 4
; LENGTH: 274
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
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OTHER INFORMATION: Incyte ID No. 6566066 3834902H1
NAME/KEY: unsure
LOCATION: 209
OTHER INFORMATION: a, t, c, g, or other
PUBLICATION INFORMATION:
US-09-610-906-4

Alignment Scores:
Pred. No.: 7.84e-16 Length: 274
Score: 25.00 Matches: 25
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 9.80% Indels: 0
DB: 4 Gaps: 0

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Db 134 ATGTGTGAGCCTGAATTTGGCAATGACAAAGGCCAGGAGCCGAGCGTGGTGGCGAGTGG 193
QY 21 ArgValSerTrpTyr 25
Db 194 CGAGTGTCTGTGATC 208

RESULT 6

US-09-610-906-10
Sequence 10, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Tod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 10
LENGTH: 325
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 701652485H1
PUBLICATION INFORMATION:
US-09-610-906-10

Alignment Scores:
Pred. No.: 7.24e-11 Length: 325
Score: 20.00 Matches: 20
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 7.84% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-10 (1-325)

QY 34 ValGluLeuLeuGlySerAlaLeuPheIleGlyCysLeuSerValIleGluAsn 53
Db 175 GTGGAACCTTTGGGTCGCTCTTCATTTGGGTGTCTATCGTTCATCGAGAAC 234

RESULT 7

US-09-610-906-11
Sequence 11, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Tod M.

TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 11
LENGTH: 96
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 700938259H1
PUBLICATION INFORMATION:
US-09-610-906-11

Alignment Scores:
Pred. No.: 1.7e-06 Length: 96
Score: 15.00 Matches: 15
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 5.88% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-11 (1-96)

QY 125 ValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPhe 139
Db 25 GTGAGTCCAGAGGAAGGTTCTGGAATCGCTGGGCGAGCCTTT 69

RESULT 8

US-09-610-906-9
Sequence 9, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Tod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
CURRENT FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
PRIOR FILING DATE: 1999-01-07
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 9
LENGTH: 159
TYPE: DNA
ORGANISM: Rattus norvegicus
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 701336587H1
PUBLICATION INFORMATION:
US-09-610-906-9

Alignment Scores:
Pred. No.: 2.79e-06 Length: 159
Score: 15.00 Matches: 15
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 5.88% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-9 (1-159)

QY 125 ValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPhe 139
Db 26 GTGAGTCCAGAGGAAGGTTCTGGAATCGCTGGGCGAGCCTTT 70

RESULT 9

US-09-610-906-7
; Sequence 7, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701887401H1
; PUBLICATION INFORMATION:
US-09-610-906-7

Alignment Scores:
Pred. No.: 0.000102 Length: 620
Score: 14.00 Matches: 14
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 5.49% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-7 (1-620)

QY 220 PheHisTrpIleYrTrpLeuGlyProLeuLeuAlaGlyLeu 233
DB 282 TTCATTGGATCTACTGGCTGGGCCCACTCCTGCTGGCGCTC 323

RESULT 10
US-09-610-906-8
; Sequence 8, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 70162441H1
; PUBLICATION INFORMATION:
US-09-610-906-8

Alignment Scores:
Pred. No.: 0.00419 Length: 279
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Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.71% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-8 (1-279)
QY 128 GluGluArgPheTrpAsnAlaSerGlyAlaAlaPhe 139
DB 4 GAGGAAGAGTTCTGGAAATGGCTCTGGGGCAGCCCTTT 39

RESULT 11
US-09-328-352-2119
; Sequence 2119, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2119
; LENGTH: 699
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2119

Alignment Scores:
Pred. No.: 0.0985 Length: 699
Score: 11.00 Matches: 11
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 4.31% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-328-352-2119 (1-699)

QY 80 IleSerGlyHisPheAsnProAlaValSer 90
DB 175 ATTCAGGTGGACATTTCATCCCGCGTAAGT 207

RESULT 12
US-09-489-039A-4876
; Sequence 4876, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 4876
; LENGTH: 792
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-4876

Alignment Scores:
Pred. No.: 1.06 Length: 792
Score: 10.00 Matches: 10
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.92% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-489-039A-4876 (1-792)

QY 80 IleSerGlyHisPheAsnProAlaVal 89
DB 265 ATTTCGGGGGGCATTTCAACCCGCGGTC 294

RESULT 13

US-09-813-817-3/c
; Sequence 3, Application US/09813817
; Patent No. 6340583
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001178
; CURRENT APPLICATION NUMBER: US/09/813,817
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
US-09-813-817-3

Alignment Scores:
Pred. No.: 705 Length: 59065
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.53% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-813-817-3 (1-59065)

QY 229 LeuLeuAlaGlyLeuLeuValGlyLeu 237
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Db 45847 CTGCTGGCAGGTTTGTGTGGGACTC 45821

RESULT 14

US-09-978-197-3/c
; Sequence 3, Application US/09978197
; Patent No. 6403353
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001178DIV
; CURRENT APPLICATION NUMBER: US/09/978,197
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/813,817
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
US-09-978-197-3

Alignment Scores:
Pred. No.: 705 Length: 59065
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.53% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-978-197-3 (1-59065)

QY 229 LeuLeuAlaGlyLeuLeuValGlyLeu 237
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Db 45847 CTGCTGGCAGGTTTGTGTGGGACTC 45821

RESULT 15

US-09-252-991A-16445/c
; Sequence 16445, Application US/09252991A
; Patent No. 6551795

; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 16445
; LENGTH: 243
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-16445

Alignment Scores:
Pred. No.: 30 Length: 243
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 3.14% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-252-991A-16445 (1-243)

QY 145 GlnGlyGlnValAlaGlyAlaLeu 152
|||
Db 213 CAGGCGCAGGTAGCGGGCGCGCTT 190

Search completed: February 18, 2004, 21:53:41
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GenCore version 5.1.6
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description

1	255	100.0	1312	9	US-09-981-353-62	Sequence 62, Appl
2	255	100.0	1312	14	US-10-396-943-5	Sequence 5, Appl
3	255	100.0	1354	9	US-09-864-711-8	Sequence 8, Appl
4	255	100.0	1354	14	US-10-396-943-2	Sequence 2, Appl
5	254	99.6	1388	14	US-10-023-896-11	Sequence 11, Appl
6	254	99.6	1410	9	US-09-925-299-67	Sequence 67, Appl
7	254	99.6	1410	10	US-09-925-299-67	Sequence 67, Appl
8	254	99.6	1410	14	US-10-023-896-40	Sequence 40, Appl
9	254	99.6	1410	14	US-10-106-698-245	Sequence 245, Appl
10	254	99.6	1712	14	US-10-106-698-1986	Sequence 1986, Ap
11	253	99.2	1314	14	US-10-216-408-16	Sequence 16, Appl
12	229	89.8	1324	14	US-10-158-646-49	Sequence 49, Appl
13	154	60.4	1309	15	US-10-235-027-459	Sequence 459, Appl
14	85	33.3	257	14	US-10-216-408-4	Sequence 4, Appl
15	81	31.8	244	14	US-10-216-408-3	Sequence 3, Appl
16	81	31.8	244	14	US-10-216-408-6	Sequence 6, Appl
17	79	31.0	321	10	US-09-803-719-2329	Sequence 2329, Ap
18	74	29.0	321	14	US-10-216-408-5	Sequence 5, Appl
19	74	29.0	318	10	US-09-803-719-2361	Sequence 2361, Ap
20	68	26.7	321	10	US-09-803-719-2362	Sequence 2362, Ap
21	58	22.7	317	10	US-09-803-719-2328	Sequence 2328, Ap
22	54	21.2	314	10	US-09-803-719-2328	Sequence 2328, Ap
23	50	19.6	201	14	US-10-216-408-8	Sequence 8, Appl
24	47	18.4	269	14	US-10-216-408-7	Sequence 7, Appl
25	38	14.9	222	14	US-10-216-408-2	Sequence 2, Appl
26	36	14.1	281	14	US-10-216-408-9	Sequence 9, Appl
27	28	11.0	233	14	US-10-396-943-3	Sequence 3, Appl
28	25	9.8	274	14	US-10-396-943-4	Sequence 4, Appl
29	20	7.8	325	14	US-10-396-943-10	Sequence 10, Appl
30	19	7.5	256	14	US-10-216-408-10	Sequence 10, Appl
31	15	5.9	96	14	US-10-396-943-11	Sequence 11, Appl
32	15	5.9	159	14	US-10-396-943-9	Sequence 9, Appl
33	15	5.9	175	14	US-10-216-408-1	Sequence 1, Appl
34	14	5.5	620	14	US-10-396-943-7	Sequence 7, Appl
35	12	4.7	257	14	US-10-216-408-11	Sequence 11, Appl
36	12	4.7	279	14	US-10-396-943-8	Sequence 8, Appl
37	11	4.3	687	12	US-10-282-122A-9059	Sequence 9059, Ap
38	11	4.3	1235	12	US-10-282-122A-9059	Sequence 71274, A
39	10	3.9	282	14	US-10-424-599-71274	Sequence 71274, A
40	10	3.9	405	10	US-09-989-442-24	Sequence 24, Appl
41	10	3.9	405	10	US-09-989-442-70	Sequence 70, Appl
42	10	3.9	536	12	US-10-282-122A-23304	Sequence 23304, A
43	10	3.9	690	9	US-09-887-576-816	Sequence 816, App
44	10	3.9	693	12	US-10-282-122A-19603	Sequence 19603, A
45	10	3.9	696	12	US-10-282-122A-6666	Sequence 6666, Ap

ALIGNMENTS

RESULT 1
US-09-981-353-62
; Sequence 62, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 62
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1804734CB1
US-09-981-353-62

Alignment Scores: 8.54e-245 Length: 1312
Pred. No.: 1312

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Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-15 (1-255) x US-09-981-353-62 (1-1312)

Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTTP 20
Db 111 ATGTGTGAGCCTCAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 170
Qy 21 ArgValSerTrpTyrgluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
Db 171 CGAGTGTCTTGGTACCAAGCGTTTGTGCAGCCATGCTGTGTGCAACTGTGGGCTGTGCT 230
Qy 41 LeuPheilePheileGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 231 CTCTTCATCTTCATCGGTCGCTGTCGTCATTTGAGATGGGACGACACTGGGCTGCTG 290
Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 291 CAGCCGGCCCTGGCCACAGCGGCTGGTGTGGGCTGCTGATGGCCACGCTGGGGAATATC 350
Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
Db 351 AGTGGTGGACACTTCAACCTCGGCTGTCCTGGCAGCCATGCTGATCGAGGCTCAAC 410
Qy 101 LeuValMetLeuLeuProTyTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 411 CTGGTGTATGCTCTCCCGTACTGGGTCTCACAGTCTCGGGGATGCTCGGGCTGCC 470
Qy 121 LeuAlaIleAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 471 TTGGCCAGCGGTGAGTCTGAGGAGGTTTCTGGATGTCATCTGGGGGCTTTGTG 530
Qy 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 531 ACAGTCCAGGAGCAGGGCAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCGACGAG 590
Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrIleGlyProLeuAla 180
Db 591 CTGCTGGCCCTGGCTGTATGCAATGGGTGCTGATGAGAGCAAAAGGCGCTCTGGCC 650
Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 651 CCCTTCTCCATCGCTTTGCCGTGTCCTGGTGGATATCTCTGGTGGGGCCCTTTGTG 710
Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
Db 711 GGCTGATGAATCCCGCCGCTTTTGGACTGGGCTGGTGGCCACACCTCGGAATTC 770
Qy 221 HisTrpIleTyTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
Db 771 CACTGGATCTACTGGCTGGGCCACCTCTGGTGGCTGCTGTGTGGACTGTCTATTAGG 830
Qy 241 CysPheileGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 831 TGCTTCATGGAGATGGGAAGACCCGCTCATCTTGAAGGCTCGG 875

RESULT 2
US-10-396-943-5
; Sequence 5, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: FC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
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; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 1804734CB1
; PUBLICATION INFORMATION:
US-10-396-943-5

Alignment Scores:
Pred. No.: 8,548-245 Length: 1312
Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-396-943-5 (1-1312)

Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTTP 20
Db 111 ATGTGTGAGCCTCAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 170
Qy 21 ArgValSerTrpTyrgluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
Db 171 CGAGTGTCTTGGTACCAAGCGTTTGTGCAGCCATGCTGTGTGCAACTGTGGGCTGTGCT 230
Qy 41 LeuPheilePheileGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 231 CTCTTCATCTTCATCGGTCGCTGTCGTCATTTGAGATGGGACGACACTGGGCTGCTG 290
Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 291 CAGCCGGCCCTGGCCACAGCGGCTGGTGTGGGCTGCTGATGGCCACGCTGGGGAATATC 350
Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
Db 351 AGTGGTGGACACTTCAACCTCGGCTGTCCTGGCAGCCATGCTGATCGAGGCTCAAC 410
Qy 101 LeuValMetLeuLeuProTyTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 411 CTGGTGTATGCTCTCCCGTACTGGGTCTCACAGTCTCGGGGATGCTCGGGGCTGCC 470
Qy 121 LeuAlaIleAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 471 TTGGCCAGCGGTGAGTCTGAGGAGGTTTCTGGATGTCATCTGGGGGCTTTGTG 530
Qy 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 531 ACAGTCCAGGAGCAGGGCAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCGACGAG 590
Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrIleGlyProLeuAla 180
Db 591 CTGCTGGCCCTGGCTGTATGCAATGGGTGCTGATGAGAGCAAAAGGCGCTCTGGCC 650
Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 651 CCCTTCTCCATCGCTTTGCCGTGTCCTGGTGGATATCTCTGGTGGGGCCCTTTGTG 710
Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
Db 711 GGCTGATGAATCCCGCCGCTTTTGGACTGGGCTGGTGGCCACACCTCGGAATTC 770
Qy 221 HisTrpIleTyTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
Db 771 CACTGGATCTACTGGCTGGGCCACCTCTGGTGGCTGCTGTGTGGACTGTCTATTAGG 830
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QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleuLysAlaArg 255
Db 831 TGTTCATCGAGATGGGAAGACCGCCTCATCTCGAAGGCTCGG 875

RESULT 3
US-09-864-711-8
; Sequence 8, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 2774542CBI
US-09-864-711-8

Alignment Scores:
Pred. No.: 8,8e-245 Length: 1354
Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-15 (1-255) x US-09-864-711-8 (1-1354)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTrp 20
Db 148 ATGTGTGAGCCTGAATTTGGCAATGCAAGGCCAGGAGCCGAGCTGGTGGCAGGTGG 207
QY 21 ArgValSerTrpTrpGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
Db 208 CGAGTGTCTGTGTACGACGCGTTTGTGACGCCATGCTGTGTAATCTGGGCTCTGCT 267
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 268 CTCTTCATCTTCATCGGGTGCCTGTGGTCAATTGAGATGGACGACACTGGGCTGCTG 327
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 328 CAGCCGGCCCTGGCCACCGGCTGGCTTTGGGGCTGCTGATTCGCCACGCTGGGGAATATC 387
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
Db 388 AGTGTGTGGACACTTCAACCTTCGGTGTCTCCCTGGCAGCCATCTGATCGAGGCTCAAC 447
QY 101 LeuValMetLeuLeuProTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 448 CTGGTGATCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 507
QY 121 LeuAlaLysAlaValSerProGluGluArgPheThrAsnAlaSerGlyValAlaAlaPheVal 140
Db 508 TTGGCCAAAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCATCTGGGGCGGCCCTTTGTG 567
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleIleuThrThr 160
Db 568 ACAGTCCAGAGCAGGGGAGGTGGCAGGGGCGTTTGGTGGCAGAGATCATCTCGACGACG 627
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrGlyProLeuAla 180
Db 628 CTGCTGGCCCTGCTGTATGCAATGGGTGCCATCAATGAGAAACAAAGGGCCCTTGCC 687
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 868 CCGTTCCTCCATCGGCTTTGGCGTCCCGTACCGTGGATATCTGGTGGGGCCCTGTGTCTGGA 747
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTrpAsnPhe 220
Db 748 GGCTGCATGATATCCGCCCGGCGCTTTGGACCTCGGTTGGTGGCAACCACTGGAATTC 807
QY 221 HisTrpIleTrpTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuArg 240
Db 808 CACTGGATCTACTGGCTGGGCGCACTCTCGCTGGCTGGCTGTTGTGGACTGCTCATTAGG 867
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleuLysAlaArg 255
Db 868 TGTTCATCGAGATGGGAAGACCGCCTCATCTCGAAGGCTCGG 912

RESULT 4
US-10-396-943-2
; Sequence 2, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 2774542CBI
US-10-396-943-2

Alignment Scores:
Pred. No.: 8,8e-245 Length: 1354
Score: 255.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-396-943-2 (1-1354)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTrp 20
Db 148 ATGTGTGAGCCTGAATTTGGCAATGCAAGGCCAGGAGCCGAGCTGGTGGCAGGTGG 207
QY 21 ArgValSerTrpTrpGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
Db 208 CGAGTGTCTGTGTACGACGCGTTTGTGACGCCATGCTGTGTAATCTGGGCTCTGCT 267
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 268 CTCTTCATCTTCATCGGGTGCCTGTGGTCAATTGAGATGGACGACACTGGGCTGCTG 327
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 328 CAGCCGGCCCTGGCCACCGGCTGGCTTTGGGGCTGCTGATTCGCCACGCTGGGGAATATC 387
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
Db 388 AGTGTGTGGACACTTCAACCTTCGGTGTCTCCCTGGCAGCCATCTGATCGAGGCTCAAC 447
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Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyValMetLeuGlyAlaAla 120
 Db 448 CTGGTATGCTCTCCGTAAGTGGTCTACAGCTGCTCGGGGATGCTCGGGGCTGCC 507
 Qy 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 Db 508 TTGGCCAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCATCTGGGGCGCCCTTTGG 567
 Qy 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluLeuLeuLeuThr 160
 Db 568 ACAGTCAGGAGCAGGGGAGGTGGCAGGGGGCTTGGTGGCAGAGATCATCTGACGAGC 627
 Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaLeuAsnGluLysThrValGlyProLeuAla 180
 Db 628 CTGCTGCCCTGGCTGTATGATGAGGTGGGTCATCATGAGAAAGCAAAAGGGCCCTCTGGCC 687
 Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyValProValSerGly 200
 Db 688 CCGTTCTCCATCGCTTTGGCGTACCGTGGATATCTGGCTGGGGCCCTGTGTCTGA 747
 Qy 201 GlyCysMetAsnProAlaAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
 Db 748 GGTGTCATGAATCCCGCCGCTGTCTTTGGACTCTGGCTGGCTGGCTGGCTGGCTGG 807
 Qy 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuArg 240
 Db 808 CATGTGATCTACTGGCTGGCCCACTCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 867
 Qy 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu 255
 Db 868 TGCTTCATTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 912

RESULT 5

US-10-023-896-11
 ; Sequence 11, Application US/10023896
 ; Publication No. US2003002776A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Victor Roschke
 ; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
 ; FILE REFERENCE: PA004PI
 ; CURRENT APPLICATION NUMBER: US/10/023,896
 ; CURRENT FILING DATE: 2001-12-21
 ; PRIOR FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: PCT/US00/23794
 ; PRIOR FILING DATE: 2000-08-30
 ; PRIOR APPLICATION NUMBER: 60/152,296
 ; PRIOR FILING DATE: 1999-09-03
 ; PRIOR APPLICATION NUMBER: 60/158,003
 ; PRIOR FILING DATE: 1999-10-06
 ; NUMBER OF SEQ ID NOS: 138
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 11
 ; LENGTH: 1388
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1388)..(1388)
 ; OTHER INFORMATION: n equals a,t,g, or c
 US-10-023-896-11

Alignment Scores:

Pred. No.: 8,97e-244 Length: 1388
 Score: 254.00 Matches: 254
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.61% Indels: 0
 DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-023-896-11 (1-1388)

Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTrp 20

Db 128 ATGTGTGAGCTTGAAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 187
 Qy 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
 Db 188 CGAGTGTCTCTGGTACCAACCGTTTGGCAGCCATGCTGGTGAACCTGTGGGCTCTGCT 247
 Qy 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 Db 248 CTCTTCATCTTCATCGGGTGGCTGTGGTCAATTGAGATGGGACGACACTGGGCTGTG 307
 Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyLeuLeu 80
 Db 308 CAGCCGGCCCTGGCCACCGGGCTGGTCTGGTCAATTGAGATGGGACGACACTGGGCTGTG 367
 Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuLeuGlyGlyLeuAsn 100
 Db 368 AGTGGTGGACACTTCAACCTCGGTGGTGTCTCTGGCAGCCATGCTGATCGGAGCCCTCAAC 427
 Qy 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
 Db 428 CTGGTGTATGCTCTCTCCGTACTGGGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 487
 Qy 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 Db 488 TTGGCCAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCATCTGGGGCGGCCCTTTGTG 547
 Qy 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluLeuLeuLeuLeuThr 160
 Db 548 ACAGTCCAGGAGCAGGGGAGGTGGCAGGGGGTGGTGGCAGAGATCATCTCTGACGAGC 607
 Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrValGlyProLeuAla 180
 Db 608 CTGCTGGCCCTGGCTGTATGATGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 667
 Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
 Db 668 CCGTTCTCCATCGCTTTGGCGTACCGTGGATATCTGGCTGGGGCCCTGTGTCTGA 727
 Qy 201 GlyCysMetAsnProAlaAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
 Db 728 GGCTGTCATGAATCCCGCCGCTGTCTTTGGACCTGGCTGGCTGGCTGGCTGGCTGG 787
 Qy 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuLeu 240
 Db 788 CACTGGATCTACTGGCTGGCCCACTCTCTGGTGGCTGGCTGGCTGGCTGGCTGGCTGG 847
 Qy 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu 254
 Db 848 TGCTTCATTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCT 889

RESULT 6

US-09-925-299-67
 ; Sequence 67, Application US/09925299
 ; Patent No. US20020055627A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA102
 ; CURRENT APPLICATION NUMBER: US/09/925,299
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1556
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 67
 ; LENGTH: 1410
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-925-299-67

Alignment Scores:

Pred. No.: 9,1e-244 Length: 1410
 Score: 254.00 Matches: 254
 Percent Similarity: 100.00% Conservatives: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.61% Indels: 0
 DB: 9 Gaps: 0

US-09-864-711-15 (1-255) x US-09-925-299-67 (1-1410)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrp 20
 DB 119 ATGTGTGAGCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGCTGGCAGGTGG 178
 QY 21 AtgValSerTrpTyrcduargPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
 DB 179 CGAGTGTCTGTGTACGACGGTTTGGCAGCCATGCTGTGTCGAATCTCTGGGCTCTGCT 238
 QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 DB 239 CTCTTCATCTTCATCGGTGCTGCTGCGTCAATTGAGATGGCAGCACCTGGGCTGCTG 298
 QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrIleuGlyAsnIle 80
 DB 299 CAGCGGGCCCTGGCCACCGGCTGGCTTTGGGGCTCGTATTGCCACACCTGGGGAATATC 358
 QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
 DB 359 AGTGGTGGACACTTCAACCTCGGGTGCTGCTGGCAGCCATGCTGATCGAGGCTCTAAC 418
 QY 101 LeuValMetLeuLeuProTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
 DB 419 CTGGTGATCTCTCCCGTACTCGGTCTCACAGCTGCTCGGGGATCTCGGGGCTGCC 478
 QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 DB 479 TTGGCCAGCGCGGTGAGTCTGAGAGAGGTTCTGGAATGTCATCTGGGGCGGCTTTGTG 538
 QY 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
 DB 539 ACAGTCCAGGAGCAGGGCAGGTGGCGGGCTTGGTGGCAGAGATCATCTGACGACG 598
 QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGlyThrLysGlyProLeuAla 180
 DB 599 CTGCTGGCCCTGGCTGTATGCGTCCATGAGAGGTTCTGGAATGTCATCTGGGGCGGCTTTGTG 658
 QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
 DB 659 CCGTTCTCCATCGGCTTTGCCGTCACTGGATATCTTGGTGGGGCGCTGTGTCTGGA 718
 QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
 DB 719 GGCTGCATGAATCCCGCCCGTCTTTGGACCTGCGGTGGTGGCCCAACCACTGGAATTC 778
 QY 221 HisTrpIleTyTrpLeuGlyProLeuAlaGlyLeuValGlyLeuLeuIleArg 240
 DB 779 CACTGGATCTACTGCTGGGCCCATCTCTGGCTGGCTTGTGTGGACTCTCTATTAGG 838
 QY 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuAla 254
 DB 839 TGCTTCATTGGAGATGGGAAGACCGGCTCATCTCTGAAGGCT 880

RESULT 7

US-09-925-299-67
 ; Sequence 67, Application US/09925299
 ; Publication No. US20030040617A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA102
 ; CURRENT APPLICATION NUMBER: US/09/925,299
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883

; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1556
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 67
 ; LENGTH: 1410
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-925-299-67

Alignment Scores:

Pred. No.: 9,1e-244 Length: 1410
 Score: 254.00 Matches: 254
 Percent Similarity: 100.00% Conservatives: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.61% Indels: 0
 DB: 10 Gaps: 0

US-09-864-711-15 (1-255) x US-09-925-299-67 (1-1410)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrp 20
 DB 119 ATGTGTGAGCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGCTGGCAGGTGG 178
 QY 21 AtgValSerTrpTyrcduargPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
 DB 179 CGAGTGTCTGTGTACGACGGTTTGGCAGCCATGCTGTGTCGAATCTCTGGGCTCTGCT 238
 QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 DB 239 CTCTTCATCTTCATCGGTGCTGCTGCGTCAATTGAGATGGCAGCACCTGGGCTGCTG 298
 QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrIleuGlyAsnIle 80
 DB 299 CAGCGGGCCCTGGCCACCGGCTGGCTTTGGGGCTCGTATTGCCACACCTGGGGAATATC 358
 QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
 DB 359 AGTGGTGGACACTTCAACCTCGGGTGCTGCTGGCAGCCATGCTGATCGAGGCTCTAAC 418
 QY 101 LeuValMetLeuLeuProTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
 DB 419 CTGGTGATCTCTCCCGTACTCGGTCTCACAGCTGCTCGGGGATCTCGGGGCTGCC 478
 QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 DB 479 TTGGCCAGCGCGGTGAGTCTGAGAGAGGTTCTGGAATGTCATCTGGGGCGGCTTTGTG 538
 QY 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
 DB 539 ACAGTCCAGGAGCAGGGCAGGTGGCGGGCTTGGTGGCAGAGATCATCTGACGACG 598
 QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGlyThrLysGlyProLeuAla 180
 DB 599 CTGCTGGCCCTGGCTGTATGCGTCCATGAGAGGTTCTGGAATGTCATCTGGGGCGGCTTTGTG 658
 QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
 DB 659 CCGTTCTCCATCGGCTTTGCCGTCACTGGATATCTTGGTGGGGCGCTGTGTCTGGA 718
 QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
 DB 719 GGCTGCATGAATCCCGCCCGTCTTTGGACCTGCGGTGGTGGCCCAACCACTGGAATTC 778
 QY 221 HisTrpIleTyTrpLeuGlyProLeuAlaGlyLeuValGlyLeuLeuIleArg 240
 DB 779 CACTGGATCTACTGCTGGGCCCATCTCTGGCTGGCTTGTGTGGACTCTCTATTAGG 838
 QY 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuAla 254
 DB 839 TGCTTCATTGGAGATGGGAAGACCGGCTCATCTCTGAAGGCT 880

RESULT 8

US-10-023-896-40
; Sequence 40, Application US/10023896
; Publication No. US20030027776A1
; GENERAL INFORMATION:
; APPLICANT: Victor Roschke
; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
; FILE REFERENCE: PA004PI
; CURRENT APPLICATION NUMBER: US/10/023,896
; PRIOR FILING DATE: 2001-12-21
; CURRENT FILING DATE: 2001-12-21
; UNASSIGNED APPLICATION NUMBER: unassigned
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: PCT/US00/23794
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152,296
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/158,003
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 40
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-023-896-40

Alignment Scores:
Pred. No.: 9,1e-244 Length: 1410
Score: 254.00 Matches: 254
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 99.61% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-023-896-40 (1-1410)

Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaAaGGluProSerValGlyGlyArgTirp 20
Db 119 ATGTGTGAGCCTGAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 178
Qy 21 ArgValSerTirpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
Db 179 CGAGTGTCTCTGTACGAACGGTTTGTGAGCCATCTCTGTGCGAATCTCTGGCTCTGCT 238
Qy 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 239 CTCCTTCATCTTCATGGGTGCTCTGCGTCATGAGATGGAGCGACACTGGGCTGCTG 298
Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 299 CAGCCGGCCCTGGCCACGGCTGCTTTGGGGCTCGTGAATGCCACGCTGGGGAATATC 358
Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAaMetLeuIleGlyGlyLeuAsn 100
Db 359 ATGTGTGGACACTTCAACCTCGGTGCTCCCTGGCAGCCATGCTATCGAGGCTCTAAC 418
Qy 101 LeuValMetLeuLeuProTyrTirpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 419 CTGGTGATGCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 478
Qy 121 LeuAlaLysAlaValSerProGluGluArgPheThrAsnAlaSerGlyAlaAlaPheVal 140
Db 479 TTGGCCCAAGCGGTGAGTCTCAGAGAGAGTTCTCGAATGCAATCTGGGGCGGCTTTGTG 538
Qy 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 539 ACAGTCCAGAGCAGGGGAGGTGGCAGGGGCTGGTGGCAGAGATCATCTCGACGACG 598
Qy 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
Db 599 CTGCTGGCCCTGGCTGTATGCAATGGGTGCCATCAATGAGAAGCAAAAGGGCCCTCGGCC 658
Qy 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200

Db 659 CCGTTCCTCCATCGGCTTTGCGCTCACCGTGGATATCTCTGGCTGGGGCCCTCTGTCTGA 718
Qy 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTirpAsnPhe 220
Db 719 GGCTGCATGAATCCCGCCGCTGCTTTTGACCTGGGTGGTGGCCCAACCCACTGGAACTTC 778
Qy 221 HisTirpIleTyrTirpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
Db 779 CACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGCTGCTGTGGTGGACTGCTCATTAGG 838
Qy 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAla 254
Db 839 TGCTTCATTTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCT 880

RESULT 9

US-10-106-698-245
; Sequence 245, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; CURRENT FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patent In Ver. 3.0
; SEQ ID NO 245
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-106-698-245

Alignment Scores:
Pred. No.: 9,1e-244 Length: 1410
Score: 254.00 Matches: 254
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 99.61% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-106-698-245 (1-1410)

Qy 1 MetCysGluProGluPheGlyAsnAspLysAlaAaGGluProSerValGlyGlyArgTirp 20
Db 119 ATGTGTGAGCCTGAATTTGGCAATGACAAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 178
Qy 21 ArgValSerTirpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
Db 179 CGAGTGTCTCTGTACGAACGGTTTGTGAGCCATCTCTGTGCGAATCTCTGGCTCTGCT 238
Qy 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 239 CTCCTTCATCTTCATGGGTGCTCTGCGTCATGAGATGGAGCGACACTGGGCTGCTG 298
Qy 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 299 CAGCCGGCCCTGGCCACGGCTGCTTTGGGGCTCGTGAATGCCACGCTGGGGAATATC 358
Qy 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAaMetLeuIleGlyGlyLeuAsn 100
Db 359 ATGTGTGGACACTTCAACCTCGGTGCTCCCTGGCAGCCATGCTATCGAGGCTCTAAC 418
Qy 101 LeuValMetLeuLeuProTyrTirpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 419 CTGGTGATGCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 478

QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
DB 479 TTGGCCAAAGCGGTGAGTCTCAGAGAGAGTTCTGGAATGATCTGGGGCGGCTTTGTG 538
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluLeuLeuThrThr 160
DB 539 ACAGTCCAGGACGAGGCGAGGTGGCAGGGGCTTTGGTGGCAGAGATCATCTGACGAG 598
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaLeuLeuLeuThrThrLeuLeuAla 180
DB 599 CTGCTGGCCCTCGCTGTATGATGATGGTGGCCATCAATGAGAAGACAAAGGGGCTCTGGCC 658
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 659 CCGTCTCCATCGGCTTTGGCTGACCGTGGATATCTGGCTGGGGGCTTTGTCTGGA 718
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsn 220
DB 719 GGCTGCATGAATCCCGCGCTGCTTTGGACCTGCGGTGGTGGCCCAACCACTGGAACTTC 778
QY 221 HisTrpIleTyTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuLeuArg 240
DB 779 CACTGCATCTACTGGCTGGGCCCATCTCTGGCTGGCCCTGCTGTGTGGATCTCTCATTAGG 838
QY 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuAla 254
DB 839 TGCCTTCATTGGAGATGGGAAGACCGCTCATCTGGAAGGCT 880

RESULT 10

US-10-106-698-1986
; Sequence 1986, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005PI
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; PRIOR FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: Patent In Ver. 3.0
; SEQ ID NO 1986
; LENGTH: 1712
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1688)..(1688)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1692)..(1692)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: misc feature
; LOCATION: (1697)..(1697)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-106-698-1986

Alignment Scores:

Pred. No.: 1.098-243 Length: 1712
Score: 254.00 Matches: 254
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 99.61% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-106-698-1986 (1-1712)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTrp 20

DB 396 ATGTGTGAGCCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGTGGTGGCAGGTGG 455
QY 21 ArgValSerTrpTyrluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
DB 456 CGAGTGTCTGTGTAGCAACGGTTTGTGAGCCATGTCTGGTGAACGTGTGGGCTCTGCT 515
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrClyLeuLeu 60
DB 516 CTCCTTCATCTTCATCGGGTGCCTGTGGTTCATGTGAATGGAGACGACACTGGGTGCTG 575
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 576 CAGCCGGCCCTGGCCACCGGCTGGCTTTGGGGCTCGTGTGATGCCACGCTGGGGAATATC 635
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuLeu 100
DB 636 AGTGTGTGACACTTCAACCTCGGTGTCTCTGGGAGCCATGTCTATCGGAGGCTCAAC 695
QY 101 LeuValMetLeuLeuProTyrlpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 696 CTGGTGATCTCTCTCCCTACTGGTCTCACAGCTGTCTGGGGGGATGCTGGGGCTGCC 755
QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
DB 756 TTGGCCAGGCGGTGAGTCTCAGAGAGAGTTCTGGAATGATCTGGGCGGCTTTGTG 815
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluLeuLeuThrThr 160
DB 816 ACAGTCCAGGAGCGGCGAGGTGGCAGGGGCTTTGGTGGCAGAGATCATCTGACGAG 875
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
DB 876 CTGCTGGCCCTGGCTGTATGATGATGGTGCATCAATGAGAAGACAAAGGCCCTCTGCC 935
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 936 CCGTCTCCATCGGCTTTGCCGTCCCGTGGATATCTCTGGTGGGGGCGCTGTGTCTGGA 995
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsn 220
DB 996 GGCTGCATGAATCCCGCGCTGCTTTGGACCTGGGTGGTGGCCACCACTGGNACTTC 1055
QY 221 HisTrpIleTyTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuArg 240
DB 1056 CACTGCATCTACTGGCTGGGCCCATCTCTGGCTGGCCCTGCTGTGTGGACTGCTCATTAGG 1115
QY 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuAla 254
DB 1116 TGCCTTCATTGGAGATGGGAAGACCGCTCATCTGGAAGGCT 1157

RESULT 11

US-10-216-408-16
; Sequence 16, Application US/10216408
; Publication No. US20030013159A1
; GENERAL INFORMATION:

APPLICANT: COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GRANADOS, EDWARD N.
KLASS, MICHAEL R.
RUSSELL, JOHN C.
STROUPE, STEVEN D.

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE GASTROINTESTINAL
TRACT

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESS: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA

ZIP: 60064-3500
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/216,408
 FILING DATE: 09-Aug-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/959,634
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Becker, Cheryl L.
 REGISTRATION NUMBER: 35,441
 REFERENCE/DOCKET NUMBER: 6188 US.01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 847/935-1729
 TELEFAX: 847/938-2623
 TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 16:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1314 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 SEQUENCE DESCRIPTION: SEQ ID NO: 16:
 US-10-216-408-16

Alignment Scores:
 Pred. No.: 8,49e-243 Length: 1314
 Score: 253.00 Matches: 253
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 99.22% Indels: 0
 DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-216-408-16 (1-1314)

QY 1 MetCysGluProLupheGlyAsnApLysAlaAArgGluProSerValGlyArgTrp 20
 DB 108 ATGTGTGAGCCTGAATTTGGCAATGACAAAGGCGAGGAGCGGCTGGGTGGAGGTGG 167
 QY 21 ArgValSerTrpTyrgluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
 DB 168 CGAGTGTCTGTGTACGACGCGTTTGTGCGACCCATGCTGTGCGAATGCTGGGCTCTGCT 227
 QY 41 LeuPhelePheleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 DB 228 CTCTTCATCTTCATCGGGTGCCTGTGCGTCAATTGAGATGGGAGCGACACTGGGCTGCTG 287
 QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
 DB 288 CACCGGCGCTGCCACCGGCTGGCTTTGGGCTCGTGAATGCGACCGCTGGGAGATATC 347
 QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
 DB 348 AGTGGTGGACACTCAACCTGCGGTGTCCCTGGCAGCCATGCTGATCGAGGCGCTCAAC 407
 QY 101 LeuValMetLeuLeuProTyrrTrpValSerGlnLeuGlyGlyMetLeuGlyAlaAla 120
 DB 408 CTGGTATGCTCTCCCGACTGGGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 467
 QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 DB 468 TTGGCCAAAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCACTGGGCGGCTTTGTG 527
 QY 141 ThrValGlnGluGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
 DB 528 ACAGTCCAGGAGCAGGCGGAGGTGGCAGGCGGTGGTGGCAGAGATCATCTGACGACG 587

QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGlyLeuThrLysGlyProLeuAla 180
 DB 588 CTGCTGGCCCTGTGCTGTATGATGGGTGCCATCAATGAGAGACAAAGGCGCTCTGGCC 647
 QY 181 PropheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyProValSerGly 200
 DB 648 CCGTCTCCATCGGCTTTGCCGTACCGGTGGATATCTGGCTGGGCGGCTGTGTCTGGA 707
 QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAlaAsnHisTrpAsnPhe 220
 DB 708 GGCTGCATGAATCCGCGCGTGTCTTTGGACCTGCGGTGGTGGCCACCACTGGAACTTC 767
 QY 221 HisTrpIleTyrrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuArg 240
 DB 768 CATGGATCTACTGGCTGGGCCCACTCTGTGGTGGCTGCTTGTGGACTGCTCATTAGG 827
 QY 241 CysPheIleGlyAspGlyLysThrArgLeuLeuLeuLys 253
 DB 828 TGCTTCATTGGAGATGGAGAGACCCCGCTCATCTCTGAAG 866

RESULT 12

US-10-158-646-49
 ; Sequence 49, Application US/10158646
 ; Publication No. US20030073105A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lasek, Amy K.W.
 ; APPLICANT: Sornasse, Thierry
 ; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
 ; FILE REFERENCE: PA-0030-1 US
 ; CURRENT APPLICATION NUMBER: US/10/158,646
 ; CURRENT FILING DATE: 2002-05-29
 ; PRIOR APPLICATION NUMBER: 60/295,239
 ; PRIOR FILING DATE: 2001-05-31
 ; NUMBER OF SEQ ID NOS: 78
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 49
 ; LENGTH: 1324
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. US20030073105A1 201901.4
 US-10-158-646-49

Alignment Scores:

Pred. No.: 7,82e-219 Length: 1324
 Score: 229.00 Matches: 255
 Percent Similarity: 99.22% Conservative: 0
 Best Local Similarity: 99.22% Mismatches: 0
 Query Match: 89.80% Indels: 2
 DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-158-646-49 (1-1324)

QY 1 MetCysGluProLupheGlyAsnApLysAlaAArgGluProSerValGlyArgTrp 20
 DB 116 ATGTGTGAGCCTGAATTTGGCAATGACAAAGGCGAGGAGCGGCTGGGTGGAGGTGG 175
 QY 21 ArgValSerTrpTyrgluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
 DB 176 CGAGTGTCTGTGTACGACGCGTTTGTGCGACCCATGCTGTGCGAATGCTGGGCTGCT 235
 QY 41 LeuPhelePheleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 DB 236 CTCTTCATCTTCATCGGGTGCCTGTGCGTCAATTGAGATGGGAGCGACACTGGGCTGCTG 295
 QY 61 GlnProAla-LeuAla-HisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnI 80
 DB 296 CACCGGCGCTGCCCGCCACCGGCTGGCTTTGGGCTGCTGATGCGACGCTGGGAGATA 355
 QY 80 leSerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAla 100
 DB 356 TCAGTGTGGACACTTCAACCTGCGGTGCTCCCTGGCAGCCATGCTGATCGGAGGCTTCA 415

QY 100 snLeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyMetLeuGlyAlaA 120
Db 416 ACCTGTGTGATGCTCCCTCCGCTACTGCGGTCTCAAGCTGTCTCGGGGAGTCTCGGGGCTG 475
QY 120 laLeuAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheV 140
Db 476 CCTTGGCCAGGCGGTGAGTCTCGAGAGAGGTCTTGGATGCACTCGGGGCGCTTTG 535
QY 140 alThrValGlnGluGlnGlnValAlaGlyAlaLeuValAlaGluLeuLeuLeuThr 160
Db 536 TGACAGTCCAGGAGCGGCGAGGTGCGAGGGCGGTGTGTGCGAGAGATCATCTGACGA 595
QY 160 hrLeuLeuAlaLeuAlaValCysMetGlyAlaLeuGlnGlyThrLysGlyProLeuA 180
Db 596 CGTGTGTGCGCTTGGCTGTATGATGCTGATGCTGATGATGATGATGATGATGATG 655
QY 180 laProPheSerLeuGlyPheAlaValThrValAspLeuLeuAlaGlyProValSerG 200
Db 656 CCGCGTCTCCATCGGCTTTGCGCTCAGCTGATATCTGCTGGGCGGCGCTGTGTCTG 715
QY 200 lyGlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsn 220
Db 716 GAGGCTGCATGAATCCCGCGGCTTTGGACCTGCGGTGTGCGGCAACCACTGGAAC 775
QY 220 heHisTrpLeuTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuA 240
Db 776 TCCACTGGATCTACTGGCTGGGCGCACTCTGCTGGCTGGCTGTGTGTGACTGCTCATTA 835
QY 240 rgCysPheLeuGlyAspGlyLysThrArgLeuLeuLeuLysAlaArg 255
Db 836 GGTGCTTCATTTGAGATGGAGAGACCGCGCTCATCTGTAAGGCTCGG 882

RESULT 13
US-10-295-027-459
; Sequence 459, Application US/10295027
; Publication No. US2003023350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevez, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13

; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 459
; LENGTH: 1309
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-459

Alignment Scores:
Pred. No.: 5,87e-144 Length: 1309
Score: 154.00 Matches: 254
Percent Similarity: 99.22% Conservative: 0
Best Local Similarity: 99.22% Mismatches: 1
Query Match: 60.39% Indels: 2
DB: 15 Gaps: 0

US-09-864-711-15 (1-255) x US-10-295-027-459 (1-1309)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaAatGluProSerValGlyGlyArgTrp 20
Db 103 ATGTGTGAGCTGTGATTTGGCAATGCAAGGCCGAGGAGCCGAGCGTGGTGGCAGGTG 162
QY 21 ArgValSerTrpTrpGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 163 CGAGTGTCTGTGTACGAACGGTTTGTGTCAGCCATGTCTGTGGAACCTGCTGGCTCTGCT 222
QY 41 LeuPheLeuPheLeuGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 223 CTCTTCATCTTCATCGGGTCCCTGTCGGTCATTGAGATGGGACGACACTGGGCTGTG 282
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 283 CAGCGGCGCTGCGCCACCGGGCTGGCTTTGGGGCTGTGTGATTCACACGCTGGGATATC 342
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuLeuGlyGlyLeuAsn 100
Db 343 AGTGTGTGACACTTCAACCTCGCGTGTCTCCCTGGCAGGACATGCTATCGGAGGCTCAAC 402
QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 403 CTGGTGTGTCTCTCCGTACTGGGTCTCAGAGCTGTCTCGGGGGAGTGTCTCGGGGCTG 462
QY 121 LeuAlaLysAlaValSerProGluArgPheTrpAsnAlaSerGlyAlaAlaPheVa 140
Db 463 TTGGCCCAAGGT-GGTGAGTCTGAGGAGAGGTTCCTGGAATGATCTGCGGCGGCTTTGT 521
QY 140 lThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluLeuLeuLeuTh 160
Db 522 GACAGTCCAGGAGCAGGGGCGGTGGCAGGGGCGTGTGGGAGAGATCATCTGACGAC 581
QY 160 rLeuLeuAlaLeuAlaValCysMetGlyAlaAlaLeuGlnLysThrLysGlyProLeuAl 180
Db 582 GCTGTGCGCTGCTGTGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 641
QY 180 aProPheSerLeuGlyPheAlaValThrValAspLeuLeuAlaGlyProValSerG 200
Db 642 CCGGTTCCTCATCGGCTTTGCGGTCTCAGCGTGTGATATCTGCGGTGGGGGCGCTGTCT 701
QY 200 yGlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPh 220
Db 702 AGGCTGCATGAATCCCGCGGCTGTGCTTTGGACCTGCGGTGGGCGCAACCACTGGAAC 761
QY 220 eHisTrpLeuTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeuLe 240
Db 762 CCACTGGATCTACTGCTGGGCGCACTCTGCTGGCTGGCTGTGTGTGGACTGCTCATTA 821
QY 240 gCysPheLeuGlyAspGlyLysThrArgLeuLeuLeuLysAlaArg 255
Db 822 GTGCTTCATTTGAGATGGGAGACCGCGCTCATCTGTAAGGCTCGG 867

RESULT 14
US-10-216-408-4

```

; Sequence 4, Application US/10216408
; Publication No. US20030013159A1
; GENERAL INFORMATION:
; APPLICANT: COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GRANADOS, EDWARD N.
; KLASS, MICHAEL R.
; RUSSELL, JOHN C.
; STROUPE, STEVEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASE OF THE GASTROINTESTINAL
; TRACT
;
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/216,408
; FILING DATE: 09-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,634
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6188 US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 257 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-216-408-4
Alignment Scores:
Pred. No.: 9.97e-76 Length: 257
Score: 85.00 Matches: 85
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 33.33% Indels: 0
DB: 14 Gaps: 0
US-09-864-711-15 (1-255) x US-10-216-408-4 (1-257)
QY 82 GlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsnLeu 101
Db 1 GGTGGACACATCAACCCCTGGGTGTCCTGGCAGCCATGTCGATCGGAGCCCTCAACCTG 60
QY 102 ValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAlaLeu 121
Db 61 GTGATGCTCTCCGCTACTGGGTCTCACAGCTCTCGGGGGATGCTCGGGGCTGCTTG 120
QY 122 AlaIysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThr 141
Db 121 GCCAAGCGGTGAGTCTCTGAGGAGAGTCTGGAATGCATCTGGGGCGCCCTTTGTGACA 180
QY 142 ValGlnGlnGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleIleLeuThrThrLeu 161

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Db 181 GTCCAGGAGCAGGGCGAGTGGCAGGGCGCTTGTGGCAGATCATCTCGACGACCTG 240
QY 162 LeuAlaLeuAlaVal 166
Db 241 CTGGCCCTGGCTGTA 255
RESULT 15
US-10-216-408-3
; Sequence 3, Application US/10216408
; Publication No. US20030013159A1
; GENERAL INFORMATION:
; APPLICANT: COHEN, MAURICE
; COLPITTS, TRACEY L.
; FRIEDMAN, PAULA N.
; GRANADOS, EDWARD N.
; KLASS, MICHAEL R.
; RUSSELL, JOHN C.
; STROUPE, STEVEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; FOR DETECTING DISEASE OF THE GASTROINTESTINAL
; TRACT
;
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/216,408
; FILING DATE: 09-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/959,634
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6188 US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-216-408-3
Alignment Scores:
Pred. No.: 9.36e-72 Length: 244
Score: 81.00 Matches: 81
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 31.76% Indels: 0
DB: 14 Gaps: 0
US-09-864-711-15 (1-255) x US-10-216-408-3 (1-244)
QY 11 AlaArgGluProSerValGlyGlyArgTrpArgValSerTrpArgPheValGln 30
Db 2 GCCAAGCGGTGAGTCTCTGAGGAGAGTCTGGAATGCATCTGGGGCGCCCTTTGTGACA 61

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Qy	31	ProCysLeuValGlyLeuLeuGlySerAlaLeuPheLeuGlyCysLeuSerVal	50
Db	62	CCATGTCGTGCGAACTGCGGCTCTGCTCTCTTCATCTTCATCGGTCGCTGCGTC	121
Qy	51	IleGluAsnGlyThrAspThrClyLeuLeuGlnProAlaLeuAlaHisGlyLeuAlaLeu	70
Db	122	ATTGAAATGGGACGGACACTGGGCTGTCAGCGCGCCCTCGGCCACCGGCTGGCTTTG	181
Qy	71	GlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsnProAlaValSer	90
Db	182	GGGCTCGTATTGCCACGCTGGGAATATCAAGTGGTGGACACTTCAACCCCTGCGGTGTC	241
Qy	91	Leu 91	
Db	242	CTG 244	

Search completed: February 19, 2004, 00:30:27
Job time : 269.804 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 18, 2004, 13:29:41 ; Search time 10.0179 Seconds
(without alignments)
1314.116 Million cell updates/sec

Title: US-09-864-711-15
Perfect score: 1328
Sequence: 1 MCEPFGNDKAREPSVGGWR.....GILLRCFIGDKTRLILKAR 255

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep.*
- 3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/2/1aa/ECTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/2/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1328	100.0	262	4	US-09-976-594-347
2	1328	100.0	443	4	US-09-610-906-1
3	1018.5	76.7	263	4	US-09-610-906-12
4	372.5	28.0	250	3	US-08-654-025-2
5	371.5	28.0	250	1	US-08-234-939-2
6	371.5	28.0	250	1	US-08-558-865-2
7	371.5	28.0	250	3	US-08-654-025-7
8	368.5	27.7	262	4	US-09-372-422A-32
9	365.5	27.5	254	4	US-09-372-422A-34
10	362	27.3	249	4	US-09-372-422A-22
11	356.5	26.8	249	4	US-09-372-422A-6
12	336	25.3	250	4	US-09-372-422A-24
13	323	24.3	265	1	US-08-468-763-19
14	323	24.3	265	2	US-08-393-996A-19
15	316	23.8	271	1	US-08-447-554-4
16	316	23.8	271	1	US-08-448-160-4
17	312	23.5	257	4	US-09-372-422A-28
18	310	23.3	247	4	US-09-372-422A-48
19	305	23.0	272	4	US-09-372-422A-26
20	282.5	21.3	294	4	US-09-372-422A-40
21	277.5	20.9	249	4	US-09-372-422A-30
22	271	20.4	288	4	US-09-372-422A-2
23	271	20.4	289	4	US-09-372-422A-2
24	270	20.3	288	4	US-09-372-422A-18
25	270	20.3	319	4	US-09-489-039A-9999
26	267	20.1	292	4	US-09-372-422A-10
27	266	20.0	295	4	US-09-372-422A-38

28	265	20.0	288	4	US-09-372-422A-16	Sequence 16, Appl
29	264	19.9	292	4	US-09-372-422A-4	Sequence 4, Appl
30	260.5	19.6	263	4	US-09-489-039A-12047	Sequence 12047, A
31	259.5	19.5	288	4	US-09-372-422A-12	Sequence 12, Appl
32	258.5	19.5	269	1	US-08-447-554-5	Sequence 5, Appl
33	258.5	19.5	269	1	US-08-468-763-17	Sequence 17, Appl
34	258.5	19.5	269	1	US-08-448-160-5	Sequence 5, Appl
35	258.5	19.5	289	2	US-08-393-996A-17	Sequence 17, Appl
36	258	19.4	284	4	US-09-372-422A-14	Sequence 14, Appl
37	257.5	19.4	289	4	US-09-372-422A-14	Sequence 14, Appl
38	257.5	19.4	312	4	US-09-252-991A-31853	Sequence 31853, A
39	254	19.1	296	4	US-09-372-422A-20	Sequence 20, Appl
40	250.5	18.9	239	4	US-09-372-422A-42	Sequence 42, Appl
41	249.5	18.8	282	4	US-09-543-681A-8275	Sequence 8275, Ap
42	249	18.8	232	4	US-09-328-352-6245	Sequence 6245, Ap
43	243.5	18.3	281	3	US-09-053-702-2	Sequence 2, Appl
44	243	18.3	303	4	US-09-252-991A-22050	Sequence 22050, A
45	225	16.9	309	4	US-09-489-039A-10582	Sequence 10582, A

ALIGNMENTS

RESULT 1
US-09-976-594-347
; Sequence 347, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 347
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 1804734CD1
US-09-976-594-347

Query Match 100.0%; Score 1328; DB 4; Length 262;
Best Local Similarity 100.0%; Pred. No. 1.9e-127;
Matches 255; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MCEPFGNDKAREPSVGGWRVSWYERFVPCVLVLLGSALEFIFIGCLSVIENGDTGLL	60
DB	8	MCEPFGNDKAREPSVGGWRVSWYERFVPCVLVLLGSALEFIFIGCLSVIENGDTGLL	67
QY	61	QPALAHGLALGLVIATLGNISGCHFNPAVSLAAMLIIGLNLVLLPYVWSQLGMLGAA	120
DB	68	QPALAHGLALGLVIATLGNISGCHFNPAVSLAAMLIIGLNLVLLPYVWSQLGMLGAA	127
QY	121	LAKAVSPEERFNWAGAAFTVVOEQVAGALVARIITLTLALAVCMGAINETKGPILA	180
DB	128	LAKAVSPEERFNWAGAAFTVVOEQVAGALVARIITLTLALAVCMGAINETKGPILA	187
QY	181	PFSIGFAVTVDILAGPSVGGCMNPARAFGPAVVAHNFHWIYWLGPILLAGLLVGLLIR	240
DB	188	PFSIGFAVTVDILAGPSVGGCMNPARAFGPAVVAHNFHWIYWLGPILLAGLLVGLLIR	247
QY	241	CFIGDKTRLILKAR	255
DB	248	CFIGDKTRLILKAR	262

RESULT 2

```

US-09-610-906-1
; Sequence 1, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 443
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Inceyte ID No. 6566066 2774542CD1
US-09-610-906-1

Query Match 100.0%; Score 1328; DB 4; Length 443;
Best Local Similarity 100.0%; Pred. No. 3.8e-127;
Matches 255; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPFGNDKAREPSVGGWRVSWYERFVQPCVLLGSALEFIFIGCLSVIENGDTGTL 60
DB 49 MCEPFGNDKAREPSVGGWRVSWYERFVQPCVLLGSALEFIFIGCLSVIENGDTGTL 108
QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVLLPYWVSOLLGMLGA 120
DB 109 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVLLPYWVSOLLGMLGA 168
QY 121 LAKAVSPERFVNAGAAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGP 180
DB 169 LAKAVSPERFVNAGAAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGP 228
QY 181 PFSIGFVTVLLAGPVSGGCMNPARAFGPAVVANHNHFWIYWLGPGLLAGLVGL 240
DB 229 PFSIGFVTVLLAGPVSGGCMNPARAFGPAVVANHNHFWIYWLGPGLLAGLVGL 288
QY 241 CFIGDKTRLILKAR 255
DB 289 CFIGDKTRLILKAR 303

RESULT 3
US-09-610-906-12
; Sequence 12, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 12
; LENGTH: 263
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; NAME/KEY: misc feature
; OTHER INFORMATION: GenBank ID No. 6566066: g2346968
; PUBLICATION INFORMATION:

US-09-610-906-12
Query Match 76.7%; Score 1018.5; DB 4; Length 263;
Best Local Similarity 75.4%; Pred. No. 6.7e-96;
Matches 193; Conservative 26; Mismatches 36; Indels 1; Gaps 1;

QY 1 MCEPFGNDKAREPSVGGWRVSWYERFVQPCVLLGSALEFIFIGCLSVIENGDTGTL 59
DB 8 MCEPFGNDKAREPSVGGWRVSWYERFVQPCVLLGSALEFIFIGCLSVIENGDTGTL 67
QY 60 LQPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVLLPYWVSOLLGMLGA 119
DB 68 LQPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVLLPYWVSOLLGMLGA 127
QY 120 ALAKAVSPERFVNAGAAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGP 179
DB 128 ALAKAVSPERFVNAGAAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGP 187
QY 180 PFSIGFVTVLLAGPVSGGCMNPARAFGPAVVANHNHFWIYWLGPGLLAGLVGL 239
DB 188 PFSIGFVTVLLAGPVSGGCMNPARAFGPAVVANHNHFWIYWLGPGLLAGLVGL 247
QY 240 RCFIGDKTRLILKAR 255
DB 248 RCFIGDKTRLILKAR 263

RESULT 4
US-08-654-025-2
; Sequence 2, Application US/08654025
; Patent No. 6008436
; GENERAL INFORMATION:
; APPLICANT: Conkling, Mark A.
; APPLICANT: Oppertman, Charles H.
; APPLICANT: Acedo, Gregoria N.
; APPLICANT: Song, Wen
; TITLE OF INVENTION: Nematode Resistant Transgenic Plants
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and
; ADDRESSEE: Gibson
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: No. 6008436th Carolina
; COUNTRY: U.S.A.
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/654,025
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/332,658
; FILING DATE:
; APPLICATION NUMBER: US/08/007,998
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5051-201
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 250 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

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MOLECULE TYPE: protein

US-08-654-025-2

Query Match 28.0%; Score 372.5; DB 3; Length 250;

Best Local Similarity 38.6%; Pred. No. 4.5e-30;

Matches 95; Conservative 35; Mismatches 85; Indels 31; Gaps 7;

QY 15 SVGRWRVSWYERFVOPCLVELLGSALFIFIGCLSVIENGTD-----GLLOPALAH 66
 Db 8 SIGDSFVSGLKAYV-----AEFIATILFFVAGVGAIAVYKLTADAALDPAGLVAVAH 63
 QY 67 GLALGLVIATLGNISGHNPNVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAALAKAYS 126
 Db 64 AFALFVGVSTAAINISGHLNPAVTLGLAVGNNITLTGFFYVIAQLLSTVACLLKYYT 123
 QY 127 PEERFWNAGAAFTVVOEQOVAG-----ALVAEIIITLLALAVCMGAINEK--TKGPL 179
 Db 124 -----NGLA---VPTGVAAGLNGVGVNEIIITFALVTVYATAADPKKXSLGTI 172
 QY 180 APFSGFAVTVDLIAGPVSFGGCMNPARAFGPAVAVANHNFWIYWLGLLGLVGLLI 239
 Db 173 APIAIGFIVGANILAAAGPFGSGMNPARSFGPAVAGDFSQNNIYWAGFLIGGGLAGFIY 232
 QY 240 -RCFIG 244
 Db 233 GDVFIG 238

RESULT 5

US-08-234-939-2

Sequence 2, Application US/08234939

Patent No. 5459252

GENERAL INFORMATION:

APPLICANT: Conkling, Mark A.

APPLICANT: Yamamoto, Yuri T.

TITLE OF INVENTION: Root Specific Gene Promoter

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and Gibson

STREET: Post Office Drawer 34009

CITY: Charlotte

STATE: No. 5459252th Carolina

COUNTRY: U.S.A.

ZIP: 28234

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.24

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/234,939

FILING DATE:

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/649,564

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Sibley, Kenneth D.

REGISTRATION NUMBER: 31,665

REFERENCE/DOCKET NUMBER: 5051-141

TELECOMMUNICATION INFORMATION:

TELEPHONE: 919-881-3140

TELEFAX: 919-881-3175

TELEX: 575102

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 250 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-234-939-2

Query Match

28.0%; Score 371.5; DB 1; Length 250;

Best Local Similarity 38.6%; Pred. No. 5.7e-30;

Matches 95; Conservative 35; Mismatches 85; Indels 31; Gaps 7;

QY 15 SVGRWRVSWYERFVOPCLVELLGSALFIFIGCLSVIENGTD-----GLLOPALAH 66
 Db 8 SIGDSFVSGLKAYV-----AEFIATILFFVAGVGAIAVYKLTADAALDPAGLVAVAH 63
 QY 67 GLALGLVIATLGNISGHNPNVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAALAKAYS 126
 Db 64 AFALFVGVSTAAINISGHLNPAVTLGLAVGNNITLTGFFYVIAQLLSTVACLLKYYT 123
 QY 127 PEERFWNAGAAFTVVOEQOVAG-----ALVAEIIITLLALAVCMGAINEK--TKGPL 179
 Db 124 -----NGLA---VPTGVAAGLNGVGVNEIIITFALVTVYATAADPKKXSLGTI 172
 QY 180 APFSGFAVTVDLIAGPVSFGGCMNPARAFGPAVAVANHNFWIYWLGLLGLVGLLI 239
 Db 173 APIAIGFIVGANILAAAGPFGSGMNPARSFGPAVAGDFSQNNIYWAGFLIGGGLAGFIY 232
 QY 240 -RCFIG 244
 Db 233 GDVFIG 238

RESULT 6

US-08-558-865-2

Sequence 2, Application US/08558865

Patent No. 5750386

GENERAL INFORMATION:

APPLICANT: Conkling, Mark A.

APPLICANT: Opperman, Charles H.

APPLICANT: Taylor, Christopher G.

TITLE OF INVENTION: Pathogen-Resistant Transgenic Plants

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and

STREET: Post Office Drawer 34009

CITY: Charlotte

STATE: No. 5750386th Carolina

COUNTRY: U.S.A.

ZIP: 28234

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/558,865

FILING DATE:

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/236,678

FILING DATE:

CLASSIFICATION: 800

APPLICATION NUMBER: US/07/770,082

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Sibley, Kenneth D.

REGISTRATION NUMBER: 31,665

REFERENCE/DOCKET NUMBER: 5051-166

TELECOMMUNICATION INFORMATION:

TELEPHONE: 919-881-3140

TELEFAX: 919-881-3175

TELEX: 575102

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 250 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-558-865-2

Query Match	28.0%; Score 371.5; DB 1; Length 250;
Best Local Similarity	38.6%; Pred. No. 5.7e-30;
Matches	95; Conservative 35; Mismatches 85; Indels 31; Gaps 7;
QY	15 SVGGRWRVSWYERFVQPCLVLLGCSALFIIGCLSVIENGTD-----GLLPALAH 66
DB	8 SIGDSFSVGLKAYV-----AEFIATLLFPVAGVSAIAYDKLTADAALDPAGLVAVAH 63
QY	67 GLALGLVIATLGNISGHFNPANSLAAMLLGGNLVWLLFPYVWSQLLGMGLAALAKAVS 126
DB	64 AFALFPVGSIAANTSGGHLINPAVTLGLAVGGNTIITLTFPFYIAQLLGGTVAACLLKXYT 123
QY	127 PEERFWNASGAAFVTVOEQGVAG-----ALVAEIIITLLALAVCMGAINEK--TKGPL 179
DB	124 -----NGLA---VPTHGVAAGNLGQVWMEIITPALVYVYVATAADPKGSLGTI 172
QY	180 APPSIGPAAVTVDILLAGSPVGGCNPAPARGPAAVNAHNFHWIYWLGPALLAGLLVGLLI 239
DB	173 APTAIGTIVGANIILAAFFSGGSNPARSPGPVAVGDFSQNWIYWAGFLPGGGGLAGPIY 232
QY	240 -RCFIG 244
DB	233 GDFVFIG 238

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RESULT 7
US-08-654-025-7
/ Sequence 7, Application US/08654025
/ Patent No. 6008436
/ GENERAL INFORMATION:
/ APPLICANT: Conkling, Mark A.
/ APPLICANT: Oepman, Charles H.
/ APPLICANT: Acedo, Gregoria N.
/ APPLICANT: Song, Wen
/ TITLE OF INVENTION: Nematode Resistant Transgenic Plants
/ NUMBER OF SEQUENCES: 7
/ CORRESPONDENCE ADDRESSES:
/ ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and
/ ADDRESSEE: Gibson
/ STREET: Post Office Drawer 34009
/ CITY: Charlotte
/ STATE: No. 6008436th Carolina
/ COUNTRY: U.S.A.
/ ZIP: 28234
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/654,025
/ FILING DATE:
/ CLASSIFICATION: 800
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/332,658
/ FILING DATE:
/ APPLICATION NUMBER: US/08/007,998
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Sibley, Kenneth D.
/ REGISTRATION NUMBER: 31,665
/ REFERENCE/DOCKET NUMBER: 5051-201
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 919-881-3140
/ TELEFAX: 919-881-3175
/ TELEX: 575102
/ INFORMATION FOR SEQ ID NO: 7:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 250 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
US-08-654-025-7

```

Query Match	28.0%;	Score	371.5;	DB	3;	Length	250;
Best Local Similarity	38.6%;	Pred.	No.5,7e-30;				
Matches	95;	Conservative	35;	Mismatches	85;	Indels	31;
						Gaps	7;
QY	15	SVGGSRWYRVSWEFVQPCLVLLGSLALPFIIGCLSVIENGTDI	-----GLIQPALAH	66			
Db	8	SIGDSFSVGSLSKAYV---AEFIATILFVPAGVGSIAIYDKLTADAALDPAGLVAVAVAH	63				
QY	67	GLAALGLVATIGNISGGHFPNPSVLSAAMLIGGLNVMLLPYVVSQILGMLGAALAKAVS	126				
Db	64	APALFVGSIAANTSGGHLNPATVLGLAVGNNITLTGFFYIAQLLGGTACLLKXYT	123				
QY	127	PEERFWNASGAAPVTVOEQGVAG-----ALVAEIIITLLALAVCMGAINEK--TKGPL	179				
Db	124	-----NGLA---VETHGVAAGLNGLOGVVMEIITFALVTVTVATAADPKGSLGTI	172				
QY	180	APPSIGPAAVTDIILAGGPFVSGGCWNPARGPAAVVAHNFHWIYMLGILLAGLIVGLLI	239				
Db	173	ADTAIGTIVGANIILAAAGPFGGGSNPARSPGPAVAGDSSQNWITWAGPLGGGLANGFIY	232				
QY	240	-RCFTG 244					
Db	233	GDVFFIG 238					

```

RESULT 8
US-09-372-422A-32
; Sequence 32, Application US/09372422A
; Patent No. 6313175
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Waize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372 422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098 692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 32
; LENGTH: 262
; TYPE: prt
; ORGANISM: Zea mays
US-09-372-422A-32

```

Query Match	27.7%	Score 368.5;	DB 4;	Length 262;
Best Local Similarity	37.3%;	Pred. No. 1.2e-29;		
Matches	88;	Conservative 37;	Mismatches 84;	Indels 27; Gaps 5;
QY	18	GBRWYSYERFVQCLVELLGSALFIFIGCLSVIENG-----TDTGLQPALAHGLAL	70	
DB	14	GSSEDTAPDTRAAISEFTATLFPVABGSVLSGQVHDMSTAGGLVAVALAHALAL	73	
QY	71	GLVIATLGNISGGHFNPAVLSLAAMLIGLNLVLLPYVYSQLLGGMLGAALAKAVSP	130	
DB	74	AVAVAVAVNIISGGHVPNAVTFGLVGGVSLVRVAVLYVVAQLLGAAVATLLRLLATGMR	133	
QY	131	---FWNRGGAFTVVOGGQVAG--ALVAEIIITLLALAVCMGAINKTKT--KGSLAPF	182	
DB	134	PGFALLAG-----VGDWHAULLEAVTGLMYAVYAVTVIDPRGHVGTIAPL	181	
QY	183	STGFATVTDIIILAGFVGSGCCNPARAFGPAAVANHNFWIYWLGFLLAGLVGLL	238	
DB	182	AVGFTILGANVLVAGSPFGAGNVPARVFGPALVGNRVEHWHVWVLGPFGLGAGLAGLV	237	

RESULT 9
US-09-372-422A-34
; Sequence 34, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:

```

; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 34
; LENGTH: 254
; TYPE: PRT
; ORGANISM: Zea mays
; US-09-372-422A-34

Query Match 27.5%; Score 365.5; DB 4; Length 254;
Best Local Similarity 38.5%; Pred. No. 2.4e-29;
Matches 87; Conservative 35; Mismatches 81; Indels 23; Gaps 7;

QY 33 LVELLGSALFIFIG-----CLSVIENG-----TDTGLQPALAHGLALGLVIATLGNISGGH 84
DB 24 VAEFISTLIFVAGSGGNFASFKLTDGGAATPAGTAAASLAHALAFVAVSVGANISGGH 83
QY 85 FNPVSLAAMLGGNLVWMLPYWVSQLLGMLGAALAKAVSPERFWNASGAFAFVTVQE 144
DB 84 YNPVTFGAFVGNISLLKALVYVWVAQLLGSVACLLKIAT-----CGAALGAFSL 135
QY 145 QCQVA--GALVAEIIITLLALAVCMGAINEK--TKGPLAPFSIGFVAVTVDIAGGPVSG 200
DB 136 SAGVGAMNAVLEVMYTFGLVTVVATADVPKKGDLGVIAPFIAIGFIVGANILAGGAFDG 195
QY 201 GCMNPARAFGPVAVVANHFNHFWYVWGLPGLLAGLLVGLLR--CRIG 244
DB 196 ASMNPAVFGPVAVTGVWVHNVVWVGP-LAGAAIAALVYDIIFIG 240

RESULT 10
US-09-372-422A-22
; Sequence 22, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 22
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Zea mays
; US-09-372-422A-22

Query Match 27.3%; Score 362; DB 4; Length 249;
Best Local Similarity 38.2%; Pred. No. 5.2e-29;
Matches 94; Conservative 37; Mismatches 83; Indels 32; Gaps 8;

QY 15 SVGGWRVSWYERFVQPCVLVELLGSALFIFIGCLSVIENG--TDTGLQPALAHGLALGLVIATLGN 66
DB 8 SVGDSFSISIKAY-----AEFIATLLFVAGVSAIAYGQLTNGGALDPAGLVAIAIAH 63
QY 67 GLALGLVIATLGNISGGHFNPAVSLAAMLGGNLVWMLPYWVSQLLGMLGAALAKAVS 126
DB 64 ALALFVGSVAANISGGHFNPAVTFGLVAGGHITITLTGTFVWVAQLLGAIVACLLGFTV 123
QY 127 PEERFWNASGAFAFVTVQEGVAG-----ALVAEIIITLLALAVCMGAINEK--TKGPL 179
DB 124 -----HGKAIPT-----HAVAGISELEGVVFEVITFVAVTATADVPKKGSLGTI 171

; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Zea mays
; US-09-372-422A-24

Query Match 26.8%; Score 356.5; DB 4; Length 249;
Best Local Similarity 37.1%; Pred. No. 1.9e-28;
Matches 82; Conservative 37; Mismatches 83; Indels 19; Gaps 5;

QY 29 VOPCLVELLGSALFIFIG-----CLSVIENG-----TDTGLQPALAHGLALGLVIATLGN 80
DB 20 LKAAFAEFISTLIFVAGSGGNFASFKLTDGGAATPAGTAAASLAHALAFVAVSVGANI 79
QY 81 SGCHFNPAVSLAAMLGGNLVWMLPYWVSQLLGMLGAALAKAVSPERFWNASGAFAFV 140
DB 80 SGCHFNPAVTFGAFVGNITLFRGLLYWVAQLLGSVACFLLR-----FSTGGQATG 131
QY 141 TVQEQG-QVAGALVAEIIITLLALAVCMGAINEK--TKGPLAPFSIGFVAVTVDIAGGP 197
DB 132 TFGLTGVSVMVLEIVMTPGLVTVVATADVPKKGSLGTIAPFIAIGFIVGANILVGG 191
QY 198 VSGGCMNPARAFGPVAVVANHFNHFWYVWGLPGLLAGLLVGLL 238
DB 192 FDGAGMNPVSPGALVSWWGYQWVYVWVGLLGGGLAGVI 232

RESULT 12
US-09-372-422A-24
; Sequence 24, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Zea mays
; US-09-372-422A-24

```


Query Match	25.3%	Score 336;	DB 4;	Length 250;
Best Local Similarity	36.8%;	Pred. No. 2.4e-26;		
Matches	93;	Conservative 39;	Mismatches 97;	Indels 24; Gaps 9;
QY	1	MCEPFGN--DKAREPSVGG--RWRVSWYERFVQPCVLVLLGSGALFIFIGLGSVIENG---	54	
DB	1	MYKLAFGSVGDSFSVTSIKGLWR-----SFIAPS-----SSSPAWFRAFQQLNGCAL	51	
QY	55	TDTGQLQALAHGALGLVATLGNISGGHFNPVSLAAMLGGNLVMLLYPWTQSLLG	114	
DB	52	DPAGLVAVAHALALFVGSVAANTSGGHNPVTFGLAVGHHITVLTLGLFYWAQLLG	111	
QY	115	GMLGAALAKAVSPEERFWNASGAAFVTVQSGQVAGALVAEILITLLALAVCMGAINEK	174	
DB	112	ASVACLLRLRFVTHGKAI--PTHGVSGGTTELEG-----VVFEIITPALVTVTYAARDPK	165	
QY	175	--TKGFLAPPSIGPAVTVDILAGGVPVSGGQWNPAPAGFPVAVVANHNNHFWIYMLGPLLAG	232	
DB	166	KGSLGTIPIAIGTVIGNIILAGFPFGGSGWNPARSFGPFAVAARDPAGNWTWVGPLTGG	225	
QY	233	LLVGLLI--RCFIG	244	
DB	226	GLAGLVYGDVFIG	238	

RESULT 13
 US-08-468-763-19
 ; Sequence 19, Application US/08468763
 ; Patent No. 5741671
 ;
 ; GENERAL INFORMATION:
 ;
 ; APPLICANT: Agre, Peter C.
 ; TITLE OF INVENTION: Isolation, Cloning and Expression of
 ; TITLE OF INVENTION: Transmembrane Water Channel Proteins
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSES: Banner & Allegretti
 ; STREET: 1001 G Street, N.W.
 ; CITY: Washington, D.C.
 ; STATE: D.C.
 ; COUNTRY: US
 ; ZIP: 20001
 ;
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent in Release #1.0, Version #1.25
 ;
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/468,763
 ; FILING DATE: 06-JUN-1995
 ; CLASSIFICATION: 435
 ;
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/393,996
 ; FILING DATE: 24-FEB-1995
 ;
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Posorske, Laurence H.
 ; REGISTRATION NUMBER: 34,698
 ; REFERENCE/DOCKET NUMBER: 1107.48633
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202 508-9100
 ; TELEFAX: 202 508-9299
 ;
 ; INFORMATION FOR SEQ ID NO: 19:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 265 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-468-763-19

[illegible]

RESULT 14
 US-08-393-996A-19
 ; Sequence 19, Application US/08393996A
 ; Patent No. 5858702
 ; GENERAL INFORMATION:
 ; APPLICANT: Agre, Peter C.
 ; TITLE OF INVENTION: Isolation, Cloning and Expression of
 ; TITLE OF INVENTION: Transmembrane Water Channel Proteins
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Banner & Allegretti
 ; STREET: 1001 G Street, N.W.
 ; CITY: Washington, D.C.
 ; STATE: D.C.
 ; COUNTRY: US
 ; ZIP: 20001
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/393,996A
 ; FILING DATE: 24-FEB-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Posorske, Laurence H.
 ; REGISTRATION NUMBER: 34,698
 ; REFERENCE/DOCKET NUMBER: 1107,48633
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202 508-9100
 ; TELEFAX: 202 508-9299
 ; INFORMATION FOR SEQ ID NO: 19:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 265 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-393-996A-19

Query Match 24.3%; Score 323; DB 1; Length 265;
Best Local Similarity 35.6%; Pred. No. 5.4e-25;
Matches 77; Conservative 46; Mismatches 83; Indels 10; Gaps 6;

Qy 204 NPARFGPAVVANHN - FHIIYWLGPILLAGLLVGLL 238
 ||||:||||| |:: ||::||::: |:
 Db 185 NPARSGPAVVNRRFGPSHWVFWGPIVGAMLAAIL 220

RESULT 15

US-08-447-554-4
; Sequence 4, Application US/08447554
; Patent No. 5661003
; GENERAL INFORMATION:
; APPLICANT: FUSHIMI, KIYOHIDE
; APPLICANT: UCHIDA, SHINICHI
; APPLICANT: SASAKI, SEI
; APPLICANT: MARUMO, FUMIAKI
; TITLE OF INVENTION: WATER CHANNEL
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 2000 Pennsylvania Ave. NW, Ste. 5500
; CITY: Washington, DC
; COUNTRY: USA
; ZIP: 20006-1812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,554
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/126,365
; FILING DATE: 24-SEP-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Muraahige, Kate H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 5100-0003.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; TELEX: 90-4030
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 271 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-447-554-4

Query Match	23.84;	Score 316;	DB 1;	Length 271;
Best Local Similarity	34.6%;	Pred. No. 2.9e-24;		
Matches	75;	Conservative 47;	Mismatches 23;	Indels 12; Gaps 6;
Qy	28	FVPCCLVELLSALFIFIGCLSVIE-NGTDTGLQLPALAHLGALGLVIATIGNISGGHFN	86	
Db	9	FSRAVLAEFLATLFLVFFGLSGALQWASSPSPVLQIAVAFGLIGILVQALGHVSGAHIN	68	
Qy	87	PAVSLAAMLIIGLNLVMLLPYWSLGLGMLGAALAKAVSPERPFWNAGSAFVTVBPQG	146	
Db	69	PAVTVACLVGCHVSFLRAAFYVAQAQLLGAVAGAAILHEITPVE---IRGDLAVNALHNN	124	
Qy	147	QVAG-ALVAEITLITLALAVCMGAINEKTKGP---LAPFSIGFATVVDILAGGPVSGGC	202	
Db	125	ATAGQAVTVEILFT--MQLVICIFASTDERRGNLSPALSIGFVTLGHLLGIYFTGCS	182	
Qy	203	MNPARAFGPAVVANHNFHMYNLGPLLGLAGLLVGLLI	239	
Db	183	MNPARSLAPAVVTQKFDHDMWFTGPLY-CAIIGSLI	218	

Search completed: February 18, 2004, 18:58:04
Job time : 11.0179 secs

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OM protein - protein search, using sw model

Run on: February 18, 2004, 14:05:12 ; Search time 112.625 Seconds
(without alignments)
478.083 Million cell updates/sec

Title: US-09-864-711-15
Perfect score: 1328
Sequence: 1 MCEPFGNDKAREPSVGGRW.....GLLRCPFGDKTRILLKAR 255

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 809742 seqs, 211153259 residues
Total number of hits satisfying chosen parameters: 809742

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*
1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pcp.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pcp.*
3: /cgn2_6/ptodata/2/pubpaa/US05_NEW_PUB.pcp.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pcp.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pcp.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pcp.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pcp.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pcp.*
9: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pcp.*
10: /cgn2_6/ptodata/2/pubpaa/US09_PUBCOMB.pcp.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pcp.*
12: /cgn2_6/ptodata/2/pubpaa/US09C_NEW_PUB.pcp.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pcp.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pcp.*
15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pcp.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pcp.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pcp.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1328	100.0	255	9	US-09-864-711-15
2	1328	100.0	262	9	Sequence 15, Appl
3	1328	100.0	262	9	Sequence 63, Appl
4	1324	99.7	261	14	US-10-396-943-1
5	1324	99.7	261	14	Sequence 55, Appl
6	1324	99.7	261	14	Sequence 84, Appl
7	1324	99.7	261	15	US-10-023-896-55
8	1324	99.7	261	15	US-10-023-896-84
9	1324	99.7	261	15	US-10-295-027-460
10	1324	99.7	261	9	Sequence 460, App
11	1324	99.7	261	9	Sequence 840, App
12	1324	99.7	261	10	US-09-925-299-840
13	1324	99.7	261	10	US-09-925-299-840
14	1324	99.7	261	14	US-10-106-698-4522
15	1324	99.7	261	14	Sequence 840, App
16	1324	99.7	261	14	Sequence 4522, App
17	1324	99.7	261	14	Sequence 6263, App
18	1324	99.7	261	14	Sequence 21, Appl
19	1324	99.7	261	14	Sequence 12, Appl
20	1324	99.7	261	14	Sequence 606, App
21	1324	99.7	261	15	US-10-310-154-606
22	1324	99.7	261	15	US-10-409-701-15
23	1324	99.7	261	15	Sequence 15, Appl
24	1324	99.7	261	15	Sequence 12, Appl
25	1324	99.7	261	15	Sequence 12, Appl

16	334	25.2	265	14	US-10-171-311-16	Sequence 16, Appl
17	306.5	23.1	323	15	US-10-295-027-254	Sequence 254, App
18	236.5	17.8	378	16	US-10-389-566-364	Sequence 364, App
19	236	17.8	46	14	US-10-023-896-107	Sequence 107, App
20	234.5	17.7	273	14	US-10-314-669-233	Sequence 233, App
21	232	17.5	288	15	US-10-310-154-607	Sequence 607, App
22	226	17.0	178	11	US-09-864-408A-3000	Sequence 3000, App
23	218.5	16.5	292	14	US-10-177-293-10	Sequence 10, Appl
24	218	16.4	281	14	US-10-156-761-14729	Sequence 14729, A
25	217	16.3	264	14	US-10-156-761-14193	Sequence 14193, A
26	209.5	15.8	234	10	US-09-769-787-9	Sequence 9, Appl
27	198.5	14.9	249	14	US-10-156-761-14492	Sequence 14492, A
28	189	14.2	38	14	US-10-023-896-101	Sequence 101, App
29	173	13.0	30	14	US-10-216-408-22	Sequence 22, Appl
30	167	12.6	342	9	US-09-849-980B-1	Sequence 1, Appl
31	165.5	12.5	152	14	US-10-314-669-232	Sequence 232, App
32	164	12.3	27	14	US-10-023-896-111	Sequence 111, App
33	147	11.1	346	15	US-10-093-463-174	Sequence 174, App
34	131	9.9	178	9	US-09-925-301-914	Sequence 914, App
35	126	9.5	110	9	US-09-867-550-298	Sequence 298, App
36	120	9.0	321	14	US-10-156-761-8507	Sequence 8507, App
37	114.5	8.6	731	14	US-10-156-761-12134	Sequence 12134, A
38	114	8.6	495	9	US-09-776-865-4	Sequence 4, Appl
39	113	8.5	124	10	US-09-989-442-96	Sequence 96, Appl
40	113	8.5	124	10	US-09-989-442-142	Sequence 142, App
41	107.5	8.1	497	9	US-09-738-626-6734	Sequence 6734, App
42	107	8.1	500	14	US-10-156-761-12077	Sequence 12077, A
43	107	8.1	650	9	US-09-815-242-13341	Sequence 13341, A
44	107	8.1	650	10	US-09-769-787-95	Sequence 95, Appl
45	104.5	7.9	465	15	US-10-369-493-17784	Sequence 17784, A

ALIGNMENTS

RESULT 1
US-09-864-711-15
; Sequence 15, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 15
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 2774542CD1
US-09-864-711-15

Query Match 100.0%; Score 1328; DB 9; Length 255;
Best Local Similarity 100.0%; Pred. No. 1.5e-119;
Matches 255; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MCEPFGNDKAREPSVGGRWVSWYERFVQPCIVLLGSLAFIFIGCLSVIENGDTGILL	60
Db	1	MCEPFGNDKAREPSVGGRWVSWYERFVQPCIVLLGSLAFIFIGCLSVIENGDTGILL	60
Qy	61	QPALAHGLALGLVIATLGNISGHHFNPVSLAAMLIGGLNVLMLPYWVSQLGMLGAA	120
Db	61	QPALAHGLALGLVIATLGNISGHHFNPVSLAAMLIGGLNVLMLPYWVSQLGMLGAA	120
Qy	121	LAKAVSPEERFWNASGAFTVQEQVAGALVAEIIITLLALAVCMGAINETKGPAA	180
Db	121	LAKAVSPEERFWNASGAFTVQEQVAGALVAEIIITLLALAVCMGAINETKGPAA	180

QY 181 PPSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPILLAGLLVGLLIR 240
Db |||||
QY 181 PPSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPILLAGLLVGLLIR 240
Db |||||
QY 241 CFIGDGKTRLILKAR 255
Db |||||
QY 241 CFIGDGKTRLILKAR 255
Db |||||

RESULT 2

US-09-981-353-63
; Sequence 63, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 63
; TYPE: PRT
; LENGTH: 262
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1804734CD1
US-09-981-353-63

Query Match 100.0%; Score 1328; DB 9; Length 262;
Best Local Similarity 100.0%; Pred. No. 1.5e-119;
Matches 255; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCLVLLGSALFIFIGCLSVIENGDTDTGLL 60
Db 8 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCLVLLGSALFIFIGCLSVIENGDTDTGLL 67
QY 61 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNLVLLPYVWSQLLGMGLGAA 120
Db 68 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNLVLLPYVWSQLLGMGLGAA 127
QY 121 LAKAVSPERFWNASGAFTVVOEQOVAGALVAEIIITLIALAVCMGAINETKGPILA 180
Db 128 LAKAVSPERFWNASGAFTVVOEQOVAGALVAEIIITLIALAVCMGAINETKGPILA 187
QY 181 PPSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPILLAGLLVGLLIR 240
Db 188 PPSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPILLAGLLVGLLIR 247
QY 241 CFIGDGKTRLILKAR 255
Db 248 CFIGDGKTRLILKAR 262

RESULT 3

US-10-396-943-1
; Sequence 1, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12

; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 443
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 2774542CD1
US-10-396-943-1

Query Match 100.0%; Score 1328; DB 14; Length 443;
Best Local Similarity 100.0%; Pred. No. 1.2e-119;
Matches 255; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCLVLLGSALFIFIGCLSVIENGDTDTGLL 60
Db 49 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCLVLLGSALFIFIGCLSVIENGDTDTGLL 109
QY 61 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNLVLLPYVWSQLLGMGLGAA 120
Db 109 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNLVLLPYVWSQLLGMGLGAA 168
QY 121 LAKAVSPERFWNASGAFTVVOEQOVAGALVAEIIITLIALAVCMGAINETKGPILA 180
Db 169 LAKAVSPERFWNASGAFTVVOEQOVAGALVAEIIITLIALAVCMGAINETKGPILA 228
QY 181 PPSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPILLAGLLVGLLIR 240
Db 229 PPSIGFAVTVDILAGPVSVCNPARAFGPAVAVANHNHFWIYWLGPILLAGLLVGLLIR 288
QY 241 CFIGDGKTRLILKAR 255
Db 289 CFIGDGKTRLILKAR 303

RESULT 4

US-10-023-896-55
; Sequence 55, Application US/10023896
; Publication No. US20030027776A1
; GENERAL INFORMATION:
; APPLICANT: Victor Roschke
; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
; FILE REFERENCE: PA004P1
; CURRENT APPLICATION NUMBER: US/10/023,896
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: unassigned
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: PCT/US00/23794
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152,296
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/158,003
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 55
; LENGTH: 261
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-023-896-55

Query Match 99.7%; Score 1324; DB 14; Length 261;
Best Local Similarity 99.6%; Pred. No. 3.7e-119;
Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCLVLLGSALFIFIGCLSVIENGDTDTGLL 60
Db 7 MCEPEFGNDKAREPSVGGWRVSWYERFVQPCLVLLGSALFIFIGCLSVIENGDTDTGLL 66
QY 61 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNLVLLPYVWSQLLGMGLGAA 120
Db 67 QPALAHGLALGLVIATLGNISGHNFPVSLAAMLIIGLNLVLLPYVWSQLLGMGLGAA 126

QY 121 LAKAVSPEERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 180
 DB 127 LAKAVSPEERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 186
 QY 181 PPSIGFANTVDILAGGPGVSGGCMNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 240
 DB 187 PPSIGFANTVDILAGGPGVSGGCMNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 246
 QY 241 CFIGDGKTRILILKAR 255
 DB 247 CFIGDGKTRILILKAR 261

RESULT 5
 US-10-023-896-84
 ; Sequence 84, Application US/10023896
 ; Publication No. US2003002776A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Victor Roschke
 ; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
 ; FILE REFERENCE: PA004PI
 ; CURRENT APPLICATION NUMBER: US/10/023,896
 ; CURRENT FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: unassigned
 ; PRIOR FILING DATE: 2001-12-21
 ; PRIOR APPLICATION NUMBER: PCT/US00/23794
 ; PRIOR FILING DATE: 2000-08-30
 ; PRIOR APPLICATION NUMBER: 60/152,296
 ; PRIOR FILING DATE: 1999-09-03
 ; PRIOR APPLICATION NUMBER: 60/158,003
 ; PRIOR FILING DATE: 1999-10-06
 ; NUMBER OF SEQ ID NOS: 138
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 84
 ; LENGTH: 261
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-023-896-84

Query Match 99.7%; Score 1324; DB 14; Length 261;
 Best Local Similarity 99.6%; Pred. No. 3.7e-119;
 Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MCEPFGNDKAREPSVGGGRVSWYERFVQPCVLLGSALEIFITGCLSVIENGDTGCLL 60
 DB 7 MCEPFGNDKAREPSVGGGRVSWYERFVQPCVLLGSALEIFITGCLSVIENGDTGCLL 66
 QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLGMLGAA 120
 DB 67 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLGMLGAA 126
 QY 121 LAKAVSPEERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 180
 DB 127 LAKAVSPEERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 186
 QY 181 PPSIGFANTVDILAGGPGVSGGCMNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 240
 DB 187 PPSIGFANTVDILAGGPGVSGGCMNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 246
 QY 241 CFIGDGKTRILILKAR 255
 DB 247 CFIGDGKTRILILKAR 261

RESULT 6
 US-10-295-027-460
 ; Sequence 460, Application US/10295027
 ; Publication No. US20030232350A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Afar, Daniel
 ; APPLICANT: Aziz, Natasha
 ; APPLICANT: Ginsberg, Wendy M.
 ; APPLICANT: Gish, Kurt C.

APPLICANT: Glynn, Richard
 APPLICANT: Hevezi, Peter A.
 APPLICANT: Mack, David H.
 APPLICANT: Murray, Richard
 APPLICANT: Watson, Susan R.
 APPLICANT: Eos Biotechnology, Inc.
 TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
 TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
 FILE REFERENCE: 018501-01250005
 CURRENT APPLICATION NUMBER: US/10/295,027
 CURRENT FILING DATE: 2002-11-13
 PRIOR APPLICATION NUMBER: US 09/663,733
 PRIOR FILING DATE: 2000-09-15
 PRIOR APPLICATION NUMBER: US 60/350,666
 PRIOR FILING DATE: 2001-11-13
 PRIOR APPLICATION NUMBER: US 60/335,394
 PRIOR FILING DATE: 2001-11-15
 PRIOR APPLICATION NUMBER: US 60/332,464
 PRIOR FILING DATE: 2001-11-21
 PRIOR APPLICATION NUMBER: US 60/334,393
 PRIOR FILING DATE: 2001-11-29
 PRIOR APPLICATION NUMBER: US 60/340,376
 PRIOR FILING DATE: 2001-12-14
 PRIOR APPLICATION NUMBER: US 60/347,211
 PRIOR FILING DATE: 2002-01-08
 PRIOR APPLICATION NUMBER: US 60/347,349
 PRIOR FILING DATE: 2002-01-10
 PRIOR APPLICATION NUMBER: US 60/355,250
 PRIOR FILING DATE: 2002-02-08
 PRIOR APPLICATION NUMBER: US 60/356,714
 PRIOR FILING DATE: 2002-02-13
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 1386
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 460
 LENGTH: 261
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-295-027-460

Query Match 99.7%; Score 1324; DB 15; Length 261;
 Best Local Similarity 99.6%; Pred. No. 3.7e-119;
 Matches 254; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 1 MCEPFGNDKAREPSVGGGRVSWYERFVQPCVLLGSALEIFITGCLSVIENGDTGCLL 60
 DB 7 MCEPFGNDKAREPSVGGGRVSWYERFVQPCVLLGSALEIFITGCLSVIENGDTGCLL 66
 QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLGMLGAA 120
 DB 67 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLGMLGAA 126
 QY 121 LAKAVSPEERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 180
 DB 127 LAKAVSPEERFVNAGAAFTVVEQGVAGALVAEIIITTLALAVCMGAINETKGPGLA 186
 QY 181 PPSIGFANTVDILAGGPGVSGGCMNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 240
 DB 187 PPSIGFANTVDILAGGPGVSGGCMNPARAFGPAVAVANHNHFWIYWLGPGLAGLLVGLLIR 246
 QY 241 CFIGDGKTRILILKAR 255
 DB 247 CFIGDGKTRILILKAR 261

RESULT 7
 US-09-925-299-840
 ; Sequence 840, Application US/09925299
 ; Patent No. US20020055627A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA102

; CURRENT APPLICATION NUMBER: US/09/925,299
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1556
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 840
 ; LENGTH: 288
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-925-299-840

Query Match 99.7%; Score 1324; DB 9; Length 288;
 Best Local Similarity 99.6%; Pred. No. 4.1e-119;
 Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGL 60
 DB 34 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGL 93
 QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 120
 DB 94 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 153
 QY 121 LAKAVSPEERFWNAGAAFTVVOEQGVAGALVAEIIITLLALAVCMGAINETKGP 180
 DB 154 LAKAVSPEERFWNAGAAFTVVOEQGVAGALVAEIIITLLALAVCMGAINETKGP 213
 QY 181 PFSIGFAVTVDILAGPVSVCMMNPARAFGPAVVANHNHFWIYWLGP 240
 DB 214 PFSIGFAVTVDILAGPVSVCMMNPARAFGPAVVANHNHFWIYWLGP 273
 QY 241 CFIGDGKTRLLILKAR 255
 DB 274 CFIGDGKTRLLILKAR 288
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-925-299-840

RESULT 8
 US-09-925-299-840
 ; Sequence 840, Application US/09925299
 ; Publication No. US20030040617A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA102
 ; CURRENT APPLICATION NUMBER: US/09/925,299
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1556
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 840
 ; LENGTH: 288
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-925-299-840

Query Match 99.7%; Score 1324; DB 10; Length 288;
 Best Local Similarity 99.6%; Pred. No. 4.1e-119;
 Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGL 60
 DB 34 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGL 93
 QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 120
 DB 94 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 153

QY 121 LAKAVSPEERFWNAGAAFTVVOEQGVAGALVAEIIITLLALAVCMGAINETKGP 180
 DB 154 LAKAVSPEERFWNAGAAFTVVOEQGVAGALVAEIIITLLALAVCMGAINETKGP 213
 QY 181 PFSIGFAVTVDILAGPVSVCMMNPARAFGPAVVANHNHFWIYWLGP 240
 DB 214 PFSIGFAVTVDILAGPVSVCMMNPARAFGPAVVANHNHFWIYWLGP 273
 QY 241 CFIGDGKTRLLILKAR 255
 DB 274 CFIGDGKTRLLILKAR 288

RESULT 9
 US-10-106-698-4522
 ; Sequence 4522, Application US/10106698
 ; Publication No. US20030109690A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
 ; FILE REFERENCE: PA005P1
 ; CURRENT APPLICATION NUMBER: US/10/106,698
 ; CURRENT FILING DATE: 2002-03-27
 ; PRIOR APPLICATION NUMBER: PCT/US00/26524
 ; PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US 60/157,137
 ; PRIOR FILING DATE: 1999-09-29
 ; PRIOR APPLICATION NUMBER: US 60/163,280
 ; PRIOR FILING DATE: 1999-11-03
 ; NUMBER OF SEQ ID NOS: 8564
 ; SOFTWARE: PatentIn Ver. 3.0
 ; SEQ ID NO 4522
 ; LENGTH: 288
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-106-698-4522

Query Match 99.7%; Score 1324; DB 14; Length 288;
 Best Local Similarity 99.6%; Pred. No. 4.1e-119;
 Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGL 60
 DB 34 MCEPEFGNDKAREPSVGGGRWRSWYERFVQPCVLVLLGSALEFIFIGCLSVIENGDTGGL 93
 QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 120
 DB 94 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLLGMGLAA 153
 QY 121 LAKAVSPEERFWNAGAAFTVVOEQGVAGALVAEIIITLLALAVCMGAINETKGP 180
 DB 154 LAKAVSPEERFWNAGAAFTVVOEQGVAGALVAEIIITLLALAVCMGAINETKGP 213
 QY 181 PFSIGFAVTVDILAGPVSVCMMNPARAFGPAVVANHNHFWIYWLGP 240
 DB 214 PFSIGFAVTVDILAGPVSVCMMNPARAFGPAVVANHNHFWIYWLGP 273
 QY 241 CFIGDGKTRLLILKAR 255
 DB 274 CFIGDGKTRLLILKAR 288

RESULT 10
 US-10-106-698-6263
 ; Sequence 6263, Application US/10106698
 ; Publication No. US20030109690A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
 ; FILE REFERENCE: PA005P1
 ; CURRENT APPLICATION NUMBER: US/10/106,698
 ; CURRENT FILING DATE: 2002-03-27
 ; PRIOR APPLICATION NUMBER: PCT/US00/26524

PRIOR FILING DATE: 2000-09-28
 PRIOR APPLICATION NUMBER: US 60/157,137
 PRIOR FILING DATE: 1999-09-29
 PRIOR APPLICATION NUMBER: US 60/163,280
 PRIOR FILING DATE: 1999-11-03
 NUMBER OF SEQ ID NOS: 8564
 SOFTWARE: Patent In Ver. 3.0
 SEQ ID NO 6263
 LENGTH: 288
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-10-106-698-6263

Query Match 99.7%; Score 1324; DB 14; Length 288;
 Best Local Similarity 99.6%; Pred. No. 4.1e-119;
 Matches 254; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPFGNDKAREPSVGRWRVSVYERFVQPCVLLGSLAFIFIGCLSVIENGTDGGL 60
 DB 34 MCEPFGNDKAREPSVGRWRVSVYERFVQPCVLLGSLAFIFIGCLSVIENGTDGGL 93
 QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLGMLGAA 120
 DB 94 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLGMLGAA 153
 QY 121 LAKAVSPERFVWNSGAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGPLA 180
 DB 154 LAKAVSPERFVWNSGAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGPLA 213
 QY 181 PFSIGFVTVDILAGPVSVCMMNPARAFGPAVVAHVHNFHVIWGLPGLAGLVGLLIR 240
 DB 214 PFSIGFVTVDILAGPVSVCMMNPARAFGPAVVAHVHNFHVIWGLPGLAGLVGLLIR 273
 QY 241 CFIGDKTRLILKAR 255
 DB 274 CFIGDKTRLILKAR 288

RESULT 11
 US-10-216-408-21
 Sequence 21, Application US/10216408
 Publication No. US20030013159A1
 GENERAL INFORMATION:
 APPLICANT: COHEN, MAURICE
 COLPITTS, TRACEY L.
 FRIEDMAN, PAULA N.
 GRANADOS, EDWARD N.
 KLASS, MICHAEL R.
 RUSSELL, JOHN C.
 STROUPE, STEVEN D.
 TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR DETECTING DISEASE OF THE GASTROINTESTINAL TRACT
 NUMBER OF SEQUENCES: 27
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Abbott Laboratories
 STREET: 100 Abbott Park Road
 CITY: Abbott Park
 STATE: IL
 COUNTRY: USA
 ZIP: 60064-3500
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/216,408
 FILING DATE: 09-AUG-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/959,634
 FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
 NAME: Becker, Cheryl L.
 REGISTRATION NUMBER: 35,441
 REFERENCE/DOCKET NUMBER: 6188.US.01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 847/935-1729
 TELEFAX: 847/938-2623
 TELEX: <Unknown>
 INFORMATION FOR SEQ ID NO: 21:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 254 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: NO. US20030013159A1e
 SEQUENCE DESCRIPTION: SEQ ID NO: 21:
 US-10-216-408-21

Query Match 99.3%; Score 1319; DB 14; Length 254;
 Best Local Similarity 100.0%; Pred. No. 1.1e-118;
 Matches 253; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCEPFGNDKAREPSVGRWRVSVYERFVQPCVLLGSLAFIFIGCLSVIENGTDGGL 60
 DB 1 MCEPFGNDKAREPSVGRWRVSVYERFVQPCVLLGSLAFIFIGCLSVIENGTDGGL 60
 QY 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLGMLGAA 120
 DB 61 QPALAHGLALGLVIATLGNISGHNPAVSLAAMLIIGLNLVMLLPYVWSQLGMLGAA 120
 QY 121 LAKAVSPERFVWNSGAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGPLA 180
 DB 121 LAKAVSPERFVWNSGAFTVQEQGVAGALVAEIIITLLALAVCMGAINETKGPLA 180
 QY 181 PFSIGFVTVDILAGPVSVCMMNPARAFGPAVVAHVHNFHVIWGLPGLAGLVGLLIR 240
 DB 181 PFSIGFVTVDILAGPVSVCMMNPARAFGPAVVAHVHNFHVIWGLPGLAGLVGLLIR 240
 QY 241 CFIGDKTRLILK 253
 DB 241 CFIGDKTRLILK 253

RESULT 12
 US-10-396-943-12
 Sequence 12, Application US/10396943
 Publication No. US20030158085A1
 GENERAL INFORMATION:
 APPLICANT: Walker, Michael G.
 APPLICANT: Volkmuth, Wayne
 APPLICANT: Klingner, Tod M.
 TITLE OF INVENTION: AQUAPORIN-8 VARIANT
 FILE REFERENCE: PC-0012 CIP
 CURRENT APPLICATION NUMBER: US/10/396,943
 CURRENT FILING DATE: 2003-03-24
 PRIOR APPLICATION NUMBER: US/09/610,906
 PRIOR FILING DATE: 2000-07-06
 PRIOR APPLICATION NUMBER: 09/226,994
 PRIOR FILING DATE: 1999-01-07
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: PERL Program
 SEQ ID NO 12
 LENGTH: 263
 TYPE: PRT
 ORGANISM: Rattus norvegicus
 FEATURE:
 NAME/KEY: misc feature
 OTHER INFORMATION: GenBank ID No. US20030158085A1: g2346968
 PUBLICATION INFORMATION:
 US-10-396-943-12

Query Match 76.7%; Score 1018.5; DB 14; Length 263;
 Best Local Similarity 75.4%; Pred. No. 8.6e-90;

Matches 193; Conservative 26; Mismatches 36; Indels 1; Gaps 1;
QY 1 MCEPFGNDKAREPSVGGWR-VSMYERFVQCLVELLSALFIFIGCLSVIENGTDGL 59
Db 8 MCSMDURETKGETNADSYHGKMSYEQYQPCVVELLSALFIFIGCLSVIENSPNGL 67
QY 60 LQPALAHLGALGLIATIGNISGHHFNPVSLAAMLIGLNLMVLLPYWVSQLLGMLGA 119
Db 68 LQPALAHLGALGLIATIGNISGHHFNPVSLAAMLIGLNLMVLLPYWVSQLLGMLGA 127
QY 120 ALAKAVSPERFWNASGAFTVVOEGQVAGALVABEILITLLALAVCMGAINETKPL 179
Db 128 ALAKVSPERFWNASGAFTVVOEGQVAGALVABEILITLLALAVCMGAINETKPL 187
QY 180 APPSIGFATVDTILAGGPGVSGGMPARAFGPAVVANHNFWIYMLGPLLGLVGLLI 239
Db 188 APPSIGFATVDTILAGGPGVSGGMPARAFGPAVVANHNFWIYMLGPLLGLVGLLI 247
QY 240 RCFIGDKTRLILKAR 255
Db 248 RLFIGDKTRLILKSR 263

RESULT 13
US-10-310-154-606
; Sequence 606, Application US/10310154
; Publication No. US20030233670A1
; GENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; APPLICANT: Chomet, Paul S.
; APPLICANT: Adams, Thomas H
; APPLICANT: Ruff, Thomas G.
; APPLICANT: Agarwal, Ameeta K.
; APPLICANT: Ahrens, Jeffrey E.
; APPLICANT: Ball, James A.
; APPLICANT: Banu, G.
; APPLICANT: Bell, Erin
; APPLICANT: Boddupalli, Raghava
; APPLICANT: Deikman, Jill
; APPLICANT: Deng, Molian
; APPLICANT: Deng, Jinzhao
; APPLICANT: Duff, Stephen M.
; APPLICANT: Galligan, Meghan M.
; APPLICANT: Hinchey, Brenda S.
; APPLICANT: Huang, Shihshieh
; APPLICANT: Johnson, G. Richard
; APPLICANT: Jung, Vincent
; APPLICANT: Kretzmer, Keith A
; APPLICANT: Laccetti, Lucille B.
; APPLICANT: Lai, Chao-Qiang
; APPLICANT: Lee, Gary
; APPLICANT: Lin, Jie-Yi
; APPLICANT: Liu, Jingdong
; APPLICANT: Lu, Bin
; APPLICANT: Luethy, Michael M.
; APPLICANT: Lund, Adrian
; APPLICANT: Madson, Linda L.
; APPLICANT: Malloy, Kathleen A.
; APPLICANT: McKiel, Christine L.
; APPLICANT: Miller, Philip W.
; APPLICANT: Padmavathi, Manchikanti
; APPLICANT: Parnell, Laurence D.
; APPLICANT: Start, William G.
; APPLICANT: Tennesen, Dan
; APPLICANT: Vidya, K.R.
; APPLICANT: Wang, Haiyun
; APPLICANT: Xin, Zhanquo
; APPLICANT: Xu, Nanfei
; APPLICANT: Yang, Chunzhi
; APPLICANT: Zeng, Xiaoping
; APPLICANT: Zhang, Qiang
; APPLICANT: Zhao, Yajuan
; APPLICANT: Zhou, Li

; TITLE OF INVENTION: Gene Sequences and Uses Thereof in Plants
; FILE REFERENCE: 38-15(52796)B
; CURRENT APPLICATION NUMBER: US/10/310,154
; CURRENT FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: 60/337,358
; PRIOR FILING DATE: 2001-12-04
; NUMBER OF SEQ ID NOS: 736
; SEQ ID NO 606
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Zea mays
; US-10-310-154-606

Query Match 27.6%; Score 366; DB 15; Length 249;
Best Local Similarity 38.6%; Pred. No. 4.3e-27;
Matches 95; Conservative 37; Mismatches 82; Indels 32; Gaps 8;
QY 15 SVGGRWVSWYERFVQPCVVELLSALFIFIGCLSVIENG--TDTGLLOP-----ALAH 66
Db 8 SVGDSFSAITSIKAYV-----AEFIATLLFVPAGVSAIAYGQLTNGGALDPAGLVAIAIAH 63
QY 67 GLALGLVIATIGNISGHHFNPVSLAAMLIGLNLMVLLPYWVSQLLGMLGAALAKAVS 126
Db 64 ALALFVGVSVAANISGHHFNPVSLAAMLIGLNLMVLLPYWVSQLLGMLGAALAKAVS 123
QY 127 PEERFWNASGAFTVVOEGQVAG-----ALVABEILITLLALAVCMGAINETK--TKGPL 179
Db 124 -----HGKAIP-----HAVAGISELGVVFEVITFALVYVYATADPKGSLGTI 171
QY 180 APPSIGFATVDTILAGGPGVSGGMPARAFGPAVVANHNFWIYMLGPLLGLVGLLI 239
Db 172 APIAIGFIVGANILAAAGPFGSGGMPARAFGPAVVANHNFWIYMLGPLLGLVGLLI 231
QY 240 -RCFIG 244
Db 232 GDVFIG 237

RESULT 14
US-10-409-701-15
; Sequence 15, Application US/10409701
; Publication No. US20030221224A1
; GENERAL INFORMATION:
; APPLICANT: Zinselmeier, Chris
; APPLICANT: Helentjaris, Timothy G.
; TITLE OF INVENTION: Enhanced silk Exsertion Under Stress
; FILE REFERENCE: 1421
; CURRENT APPLICATION NUMBER: US/10/409,701
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: US 60/370,796
; PRIOR FILING DATE: 2002-04-08
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 249
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Xaa = any amino acid
; US-10-409-701-15

Query Match 27.3%; Score 362; DB 15; Length 249;
Best Local Similarity 38.2%; Pred. No. 1e-26;
Matches 94; Conservative 37; Mismatches 83; Indels 32; Gaps 8;
QY 15 SVGGRWVSWYERFVQPCVVELLSALFIFIGCLSVIENG--TDTGLLOP-----ALAH 66
Db 8 SVGDSFSAITSIKAYV-----AEFIATLLFVPAGVSAIAYGQLTNGGALDPAGLVAIAIAH 63
QY 67 GLALGLVIATIGNISGHHFNPVSLAAMLIGLNLMVLLPYWVSQLLGMLGAALAKAVS 126
Db 64 ALALFVGVSVAANISGHHFNPVSLAAMLIGLNLMVLLPYWVSQLLGMLGAALAKAVS 123

127	QY	PSERFWNASGRAFTVTVQGGQVQ-----ALVAGIIITLLALAVCMGAIANEK--TKGSL 179
124	Db	-----HGKAIP-----HAVAGISELGVFSEWITFALVYVWATAADPKKSLGT 171
180	QY	APFSIGFAVTVDILAGGPFVSGCMNPARAFGPAVVANHFWHMIYWLGPILAGLLVGLLI 239
172	Db	APAIAGFTVGANILAAAGPFGSGMNPARSFGFAAAGDFAGNWWYVWYVGPVGGGLAGLVY 231
240	QY	-----RCFTG 244
232	Db	GDVFIG 237

RESULT 15

```

US-10-097-340-12
; Sequence 12, Application US/10097340
; Publication NO. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVAPURU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, Jr.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumel ZHAO
; APPLICANT: Karen GLANT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; TITLE OF INVENTION: Assessment, Prevention, and Therapy of Ovarian Cancer
; FILE REFERENCES: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 265
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-097-340-12

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Query Match	25.2%	Score 334;	DB 14;	Length 285;
Best Local Similarity	37.2%;	Pred. No. 5.6e-34;		
Matches	80;	Conservative 44;	Mismatches 33;	Indels 8; Gaps 5;

QY	28	FVQCPLVELLSALSFIFIGCLSVIE--NGTDTGLLPALAHGLALGLVIATLGNISGGHF	85
	:::	:::	:::
	:::	:::	:::
Db	10	FLKAVFAEFLATLIIVFPGLSALKWPSALFT-LIQIALAFGLAIGTLQAALGPVSGGHI	68
	:::	:::	:::
	:::	:::	:::
QY	86	NPAVSILAMLLIGLNLVMLPYYSQLLGGMGLAAAKAVSPDEERFWNASGAAFVTVOEQ	145
	:::	:::	:::
	:::	:::	:::
Db	69	NPAITAILLVGNQISLLRPFYVAOALVGAIAGAGILYGVPINARGNLVNVALNNNTTO	128
	:::	:::	:::
	:::	:::	:::

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OM nucleic - nucleic search, using sw model

Run on: February 18, 2004, 13:28:27 ; Search time 139.901 Seconds
(without alignments)
7798.602 Million cell updates/sec

Title: US-09-864-711-1

Perfect score: 1966

Sequence: 1 caaatggagcttgtaagaa.....atgtcaaaaaaaaaaaaaa 1966

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
- 2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1944.4	98.9	2917	4	US-09-907-794A-189
2	1944.4	98.9	2917	4	US-09-905-125A-189
3	1944.4	98.9	2917	4	US-09-902-775A-189
4	774.8	39.4	892	4	US-09-833-381-1918
5	403	20.5	518	4	US-09-833-381-1917
6	164.6	8.4	4360	1	US-08-470-350B-1
7	156	7.9	167	1	US-08-700-575-39
8	124.4	6.3	5943	4	US-09-976-594-272
9	122.8	6.2	5802	4	US-09-341-587-4
10	73.4	3.7	2001	4	US-09-341-587-2
11	65	3.3	11272	4	US-09-341-461-1
12	56.6	2.9	28720	4	US-09-341-587-7
13	54.2	2.8	5021	4	US-09-285-385C-1
14	52.8	2.7	3690	3	US-08-991-408-3
15	52.6	2.7	3690	4	US-09-432-473-3
16	52.6	2.7	3919	2	US-08-866-650-4
17	52.6	2.7	3919	2	US-09-021-287-4
18	52.6	2.7	3919	3	US-09-240-473-4
19	51.6	2.6	4771	2	US-08-866-650-2
20	51.6	2.6	4771	2	US-09-021-287-2
21	51.6	2.6	4771	3	US-09-240-473-2
22	51	2.6	5145	3	US-08-991-408-1
23	51	2.6	5145	4	US-09-432-473-1
24	48.4	2.5	1802	3	US-09-032-633-5
25	48.4	2.5	1802	4	US-09-802-633-5
26	48.4	2.5	2026	4	US-09-907-794A-103
27	48.4	2.5	2026	4	US-09-905-125A-103

28	48.4	2.5	2026	4	US-09-902-775A-103
29	47.8	2.4	4661	4	US-09-285-385C-3
30	47.6	2.4	1806	4	US-09-800-729-75
31	47	2.4	47	4	US-09-907-794A-193
32	47	2.4	47	4	US-09-905-125A-193
33	47	2.4	47	4	US-09-902-775A-193
34	45.6	2.3	2457	3	US-08-872-757-1
35	45.6	2.3	2457	4	US-09-850-048A-1
36	45.6	2.3	2487	1	US-08-377-292-1
37	44	2.2	3546	3	US-08-872-757-3
38	44	2.2	3546	4	US-09-850-048A-3
C 39	40	2.0	972	4	US-09-601-198-127
C 40	38.6	2.0	726	4	US-09-107-532A-1192
41	38	1.9	1414	1	US-08-024-868-1
42	38	1.9	1414	2	US-08-242-097-1
43	38	1.9	1414	3	US-09-206-695-1
44	38	1.9	1414	4	US-09-799-118-1
45	38	1.9	1734	4	US-09-484-970B-63

ALIGNMENTS

RESULT 1

US-09-907-794A-189
Sequence 189, Application US/09907794A
Patent No. 6635468
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,794A
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-03-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547

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; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-794A-189

Query Match      98.9%; Score 1944.4; DB 4; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 1 CAAATGGAGCTGTGAAGAGGCTCATGCCATTTGACCCCTTAATTTCTCTCTGTTGGC 60
DB 960 CAAATGGAGCTGTGAAGAGGCTCATGCCATTTGACCCCTTAATTTCTCTCTGTTGGC 1019

QY 61 GGA-CTGACAAATGGCGAGGCTGAAGGCAATGCAAGTGCACAGTCAGTCAGTGGGGTGC 119
DB 1020 GGAAGCTGACAAATGGCGAGGCTGAAGGCAATGCAAGTGCACAGTCAGTCAGTGGGGTGC 1079

QY 120 CAATATGGCGAGAGCCACAAAGCCATGATCCCTGCAACTCAATCCCAGTGAGAACATGCGAC 179
DB 1080 CAATATGGCGAGAGCCACAAAGCCATGATCCCTGCAACTCAATCCCAGTGAGAACATGCGAC 1139

QY 180 CTGGACAAATGAAAGACGAGAAACAAAGCAATGATCTTCTCTCTCTCTCTCTCTCTCT 239
DB 1140 CTGGACAAATGAAAGACGAGAAACAAAGCAATGATCTTCTCTCTCTCTCTCTCTCTCT 1199

QY 240 TGATCCAGATGGAAGCTGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 299
DB 1200 TGATCCAGATGGAAGCTGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1259

QY 300 TGGGCTCTGTAGGCAAGTCTGCAGTAAAGGCAATGATCTTCTCTCTCTCTCTCTCTCTCT 359
DB 1260 TGGGCTCTGTAGGCAAGTCTGCAGTAAAGGCAATGATCTTCTCTCTCTCTCTCTCTCTCT 1319

QY 360 ATCCAGTACATTTGAGCTTTCAATAGTACTGACTCAGCAAGAAATCAAGAAATCTGCTTT 419
DB 1320 ATCCAGTACATTTGAGCTTTCAATAGTACTGACTCAGCAAGAAATCAAGAAATCTGCTTT 1379

QY 420 TGTCTTCTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 479
DB 1380 TGTCTTCTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1439

QY 480 TACCTTGAAGGATCTTCCACAGCCCAATTTACCCAAAGCCGATCTCTGAGCTGGCTTA 539
DB 1440 TACCTTGAAGGATCTTCCACAGCCCAATTTACCCAAAGCCGATCTCTGAGCTGGCTTA 1499

QY 540 TTGTGTGGGCACATCAAGTGGAGAAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 599
DB 1500 TTGTGTGGGCACATCAAGTGGAGAAAGATTAAGATTAAGATTAAGATTAAGATTAAGATTAAG 1559

QY 600 TTTCCTAGAAATAGACAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 659
DB 1560 TTTCCTAGAAATAGACAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1619

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QY 660 CACCAACTCTGGCTGATTTGGCAAGTCTGTGGCGGTGTGACTCCACACCTTCGAATCGTC 719
DB 1620 CACCAACTCTGGCTGATTTGGCAAGTCTGTGGCGGTGTGACTCCACACCTTCGAATCGTC 1679

QY 720 ATCAAACTCTCTGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 779
DB 1680 ATCAAACTCTCTGACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1739

QY 780 TGTCTCTACACCTCAATTTATGCAAAACATCAACACTTACATCTTTAACTTGTCTCTTC 839
DB 1740 TGTCTCTACACCTCAATTTATGCAAAACATCAACACTTACATCTTTAACTTGTCTCTTC 1799

QY 840 TGACAGGATGAGAGTTATTATTAAGCAAAATCTTACCTAGAGGCTTTTAACTTAAATGGGAA 899
DB 1800 TGACAGGATGAGAGTTATTATTAAGCAAAATCTTACCTAGAGGCTTTTAACTTAAATGGGAA 1859

QY 900 TAACTTGCATTAAGAGCCCACTTGCAGACCAAAATTTATCAATGTTGTGTGGAATTTTC 959
DB 1860 TAACTTGCATTAAGAGCCCACTTGCAGACCAAAATTTATCAATGTTGTGTGGAATTTTC 1919

QY 960 TGTCCCTCTTAATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1019
DB 1920 TGTCCCTCTTAATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1979

QY 1020 CAATATTAATCAACCTTTTCTGATCTCTCAACTTCTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1079
DB 1980 CAATATTAATCAACCTTTTCTGATCTCTCAACTTCTGAAGTGAAGTGAAGTGAAGTGAAGTGA 2039

QY 1080 CCAGATTTATGTAAGTGTGAAATGGGACATAATTTCTACAGTGGAGATTAATATACATAAC 1139
DB 2040 CCAGATTTATGTAAGTGTGAAATGGGACATAATTTCTACAGTGGAGATTAATATACATAAC 2099

QY 1140 AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAAAATTAACACACGAGTGGCTCT 1199
DB 2100 AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAAAATTAACACACGAGTGGCTCT 2159

QY 1200 TTTTGAATCCAAATTCATTTGAAAGACTATACATTTGAATCAACATATATATGTGTGATTTGAA 1259
DB 2160 TTTTGAATCCAAATTCATTTGAAAGACTATACATTTGAATCAACATATATATGTGTGATTTGAA 2219

QY 1260 CCAAACTCTTTTGTGTTCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1319
DB 2220 CCAAACTCTTTTGTGTTCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2279

QY 1320 TGATACCTGTAGAGCTCTCCACCTCTGACTTTTGTGATCTCCAACTTACGACCTTAATCAA 1379
DB 2280 TGATACCTGTAGAGCTCTCCACCTCTGACTTTTGTGATCTCCAACTTACGACCTTAATCAA 2339

QY 1380 GAGTGGATGTAGTGCAGATGAAATTTGTAAGGTGTATCCCTTATTTTGGACACTATGGAG 1439
DB 2340 GAGTGGATGTAGTGCAGATGAAATTTGTAAGGTGTATCCCTTATTTTGGACACTATGGAG 2399

QY 1440 ATTCAGTTTAAATGCTTTTAAATTTCTGAGAGTATGAGCTCTGTGTGTGTGTGTGTGTGTGT 1499
DB 2400 ATTCAGTTTAAATGCTTTTAAATTTCTGAGAGTATGAGCTCTGTGTGTGTGTGTGTGTGTGT 2459

QY 1500 AGTTTGTATATGTATAGTGCAGTGCACCACTGCTGCTGCAATCAAGTTGTGTGTGTGTGTGT 1559
DB 2460 AGTTTGTATATGTATAGTGCAGTGCACCACTGCTGCTGCAATCAAGTTGTGTGTGTGTGTGT 2519

QY 1560 AAGCAACGAGACATTTTCTCATTAATGGAAGACAGATTTCCATCATAGGACCCATTCG 1619
DB 2520 AAGCAACGAGACATTTTCTCATTAATGGAAGACAGATTTCCATCATAGGACCCATTCG 2579

QY 1620 TCTGAAAAGGATCGAAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 1679
DB 2580 TCTGAAAAGGATCGAAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 2639

QY 1680 AGAATCTCCAAACGAGCTTTTCAACAGTGTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1739
DB 2640 AGAATCTCCAAACGAGCTTTTCAACAGTGTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2699

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QY 597 GATTTCTAGAAATAGACAAACAGTGCAGAAATTGATTTCTGTCCTATGATGGCC 656
Db |||||
QY 441 GATTTCTAGAAATAGAC-AAACAGTGCAGAAATTGATTTCTGTCCTATGATGG-CC 497
Db |||||
QY 657 CTCACCACTCTGGCCTGAT 677
Db |||||
QY 498 CTCACCACTCTGGCCTGAT 518
Db |||||

RESULT 6

US-08-470-350B-1
; Sequence 1, Application US/08470350B
; Patent No. 5684126
; GENERAL INFORMATION:
; APPLICANT: Li, Xiao
; APPLICANT: Snyder, Solomon H
; TITLE OF INVENTION: Ebnerin: A Secreted von Ebner's Gland
; TITLE OF INVENTION: Protein Associated with Taste Buds
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 1001 G Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/470,350B
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Wolfe, Susan A
; REGISTRATION NUMBER: 33,568
; REFERENCE/DOCKET NUMBER: 01107.48790
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4360 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Rattus rattus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 94..3963
US-08-470-350B-1
Query Match
Best Local Similarity 8.4%; Score 164.6; DB 1; Length 4360;
Matches 583; Conservative 0; Mismatches 569; Indels 27; Gaps 5;
QY 463 TGTGGCGGTACTGGATACCTTGGAGGATCCTTCACGAGCCCAATCCCAAGCCG 522
Db |||||
QY 523 CATCTGAGCTGGCTATTGTGTGGGACATACAGTGGGAGAAAGATACAGATATAA 582
Db |||||
QY 583 CTAACTCCAAAGAGATTTCTCTAGAAATAGACAAACAGTGCAGAAATTGATTTCTGCC 642
Db |||||
QY 2725 GTGGTCTCAGAGATGTGAGTGGNAGGGGC-----TGCAACTATGACTATATAGAG 2778
Db |||||

QY 643 ATCTATGATGGCCCTCCACCACTCTGGCCTGATTGGACAAAGTCTGTGGCGGTGTGACT 702
Db |||||
QY 2779 ATTTTGTATGGCCCCACACAGATTCACTCTCATTTCCCGGGTTTGTGATGGGCCCATG 2838
Db |||||
QY 703 CCACCTTCGAATCGTCATCAAACTCTGTGACTGTGTGTGTCTACAGATATATCCCAAT 762
Db |||||
QY 2839 GGCTCTTTCACCTCAACTCAACTTCATGTGTCAGTTGCTTCCACCACTGATCACAAGTGT 2898
Db |||||
QY 763 TCTTACGGGGGATTTTCTGCTTCTTACACCTCAATTTATGCAAAAACATCAACTACA 822
Db |||||
QY 2899 ACTCGAAGAGGGTTCCGGCTGACTACTACTACAGCTTTGACAAATATACCACTATCTC 2958
Db |||||
QY 823 TCTTTAACTTGCTCTTCTGACAGGATGAGTTATATAGCAAAATCTCTACCTAGAGGCT 882
Db |||||
QY 2959 CTTTGTCTGCTCAAAATCACATGAGAGCCAGTGTGACGAGAGCTACTCTTCAGTCCATGGC 3018
Db |||||
QY 883 TTTTAACTCTAAATGGGAATAACTT-----GCAACTAAAGAGCCCACTTTGCAGACCA 933
Db |||||
QY 3019 TACTCTCCAGGATCTTGTCTTCTGTTGGAGAGTGTGAGTTACAGTGTGAGCTCAG 3078
Db |||||
QY 934 AAATTATCAAAATGTTGTGGAAATTTCTGTCCCTCTTAATGGATGGTACAATCAGAAAG 993
Db |||||
QY 3079 ATACACAAAGGAGGTCTATTTCAAATTCCTACACAGGCTGCGGTACTACCAACAG 3138
Db |||||
QY 994 GTAGAAGATCAGTCAATTACTTACACCAATATAATCACCTTTTCTGCATCTCTCACTTCT 1053
Db |||||
QY 3139 GCTGACACAGAGACCACTCACTTCTTCTTCAAGCGGCTGTTT-----CAAT 3192
Db |||||
QY 1054 GAAGTGTATCACCGCTCAGAAACAACTCCAGATATTGTGAAGTGTGAAATGGGACATAT 1113
Db |||||
QY 3193 GGCATCATCAAAAGGAGAGAGATCTCCACATCCATGTCAGCTGCAAGATGCTTCAGAAC 3252
Db |||||
QY 1114 TCTACAGTGGAGATATATATACATACAGAGATGATGTAATACAAAGTCAAAATGCACTG 1173
Db |||||
QY 3253 ACCTGGGTCAACACCATGTACATCCACACACAGTCGAGATCCAGAAAGTCCAGTAT 3312
Db |||||
QY 1174 GGCATAATATAACACAGCAGTGGCTCTTTTGAATCCAAATTCATTTGAAAGACTATACT 1233
Db |||||
QY 3313 GGCATTTTGAAGTGTATTTCTTTTATACATCTCTCTCTTCTTGTATCCAGTGACC 3372
Db |||||
QY 1234 GAATCACTATTTATGTGGATTTGAACCAAACTCTTTTGTGTTTCAAGTGTCTGCACACC 1293
Db |||||
QY 3373 AGCAGGCCATATATGTGGATCTGGACCAAGATTTGTACCTTCAGGCCGAGTCTCTCCAT 3432
Db |||||
QY 1294 TCAGATCCAAATTTGGTGGTGTCTTCTGATACCTGTAGAGCCTCTCC---CACCTCTGAC 1350
Db |||||
QY 3433 TCGATACCTCTTTGGCTCTGTTTGGGACACCTGTGGCTTCCGACATCCCAATGAC 3492
Db |||||
QY 1351 TTTGCATCTCCAACTACGACCTTAATCAAGAGTGGATGTAGTCGAGATGAAACTTTGTAG 1410
Db |||||
QY 3493 TTCTCGCTTTGACATATGATCTCATCAGAGTGGATGTCATACGAGATGAAACTTTACCAA 3552
Db |||||
QY 1411 GTGTATCCCT---TATTTGGACACTATGGAGATTCAGTTTAATGCCTTTAAATTTCTG 1467
Db |||||
QY 3553 TCTTACTCTCGCCTCACACGCACTACCCGCTTTAAATTCAGTTCTTTCACCTTCCTG 3612
Db |||||
QY 1468 AGAAGTATGAGCTCTGTATCTGCAAGTGTAAAGTTTGTGATATGTGATAGCAGTACCAAC 1527
Db |||||
QY 3613 AACCGCTTCCCTCAGTATACCTACAGTAACTGTGTTTGTGAGGACAAACGATGTC 3672
Db |||||
QY 1528 CAGTCTGGTGAATCAAGGTTGTCTCCAGAGCAAAACGAGACATTTCTTTCATATAAA 1587
Db |||||
QY 3673 TCCTCAGGTTGTACAGAGGATGTGTAGTAAGGTCCAGAGGGATGTAGGCTCTTACCAA 3732
Db |||||
QY 1588 TGAAACAGATTTCCATCATAGACCCATTCGTGTGAA 1626
Db |||||
QY 3733 GAAAGGTGATGTTGTTCTTGGAGCCCTCCAGTTGCAA 3771
Db |||||

RESULT 7

US-08-700-575-39
; Sequence 39, Application US/08700575

Patent No. 5817479
GENERAL INFORMATION:
APPLICANT: Au-Young, Janice
APPLICANT: Bandman, Olga
APPLICANT: Hawkins, Phillip R.
APPLICANT: Wilde, Craig G.
TITLE OF INVENTION: NOVEL HUMAN KINASE HOMOLOGS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/700,575
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: BILLINGS, LUCY J
REGISTRATION NUMBER: 36749
REFERENCE/DOCKET NUMBER: SP-100 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 167 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
IMMEDIATE SOURCE:
LIBRARY: Pancreas
CLONE: 223163
US-08-700-575-39
Query Match 7.9%; Score 156; DB 1; Length 167;
Best Local Similarity 99.4%; Pred. No. 2e-39;
Matches 167; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
QY 830 CTGTGCTCTCTGACAGGATGAGAGTTATTATAGCAATCTCTACCTAGAGGCTTTTAACT 889
Db 1 CTGTGCTCTCTGACAGGATGAGAGTTATTATAGCAATCTCTACCTAGAGGCTTTTAACT 60
QY 890 CTAATGGGAATACTTGCACCTAAAGACCCCACTTGCAGACCAAAATTTATCAAAATGTTG 949
Db 61 CTAATGGGAATACTTGCACCTAAAGACCCCACTTGCAGACCAAAATTTATCAAAATGTTG 120
QY 950 TGGAAATTTCTGTCCTCTTAATGGATGTTGATCAATCAGAAAGGTAG 997
Db 121 TGG-ATTTCTGTCCTCTTAATGGATGTTGATCAATCAGAAAGGTAG 167
RESULT 8
US-09-976-594-272
Sequence 272 Application US/09976594
Patent No. 6673549
GENERAL INFORMATION:
APPLICANT: Furness, Michael
APPLICANT: Buchbinder, Jenny
TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
FILE REFERENCE: PA-0041 US
CURRENT APPLICATION NUMBER: US/09/976,594
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: 60/240,409
PRIOR FILING DATE: 2000-10-12

NUMBER OF SEQ ID NOS: 1143
SOFTWARE: PERL Program
SEQ ID NO 272
LENGTH: 5943
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6673549 238660.5
US-09-976-594-272
Query Match 6.3%; Score 124.4; DB 4; Length 5943;
Best Local Similarity 48.1%; Pred. No. 2.2e-28;
Matches 578; Conservative 0; Mismatches 576; Indels 48; Gaps 6;
QY 462 CTGTGGCGTTTACCTGGATACCTTTGGAAGGATCCTTCCAGCCGCCCAATTTACCCAAAGCC 521
Db 4385 CTGGGAGGCTTCTATCCCAACCATCAGGGGACTTTTCAGGCCATTCTATCCGGGAA 4444
QY 522 GCATCTCTGAGCTGCTTATTTGTGTGGGCATACAGAGTGGAGAAAGATTACAGATAA 581
Db 4445 CTATCCAAACAATGCCAAGTGTGTGGGACATTTGAGGTGCAAAACAATACCGTGTGAC 4504
QY 582 ACTAAACTTCAAGAGATTTTCTAGAAATAGACAAACAGTGCATAATTTGATTTCTTGC 641
Db 4505 TGTGATCTTCAGAGATGCTCCAGCTTGAAGTGC-----TGCACTATGATTATTGA 4558
QY 642 CATCTATGATGGCCCTCCACCAACTCTGGCCCTGATTTGACAAAGTCTGGCCGTGTGAC 701
Db 4559 AGTTTTCGATGGCCCTTACCGCAGTTCCCTCTCATTTGTCGAGTTTGTGATGGGCCAG 4618
QY 702 TCCACACTTCGAATCGTGCATCAAACTCTCTGACTGCTGTGTGTCTACAGATTATGCCAA 761
Db 4619 AGGCTCTTCACTTCTTCTTCCAACTTCATGCTCATCTGCTTCATCAGTGCACAGCAT 4678
QY 762 TTCTTACCGGGGATTTTCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 821
Db 4679 CACAAGGAGAGGGTTCCGGGCTGAGTACTCTCAGTCCCTCCAAATGACAGACCAACCT 4738
QY 822 ATCTTTAACTTGTCTTCTTCTGACAGGATGAGAGTTATTATAGCAATCTCTACCTAGAGC 881
Db 4739 GCTCTGTCTGCAATCAATGCAAGCAGTGTGACAGAGGATCTCTCAATCTCTTGGG 4798
QY 882 TTTTAACTCTAATGGGAAT-----AACTTGCACCTAAAGACCCCACTTGCAGACC 932
Db 4799 CTCTTCTGCGAGTACCTTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 4858
QY 933 AAAATTAATCAATGTTGTGGAAATTTTGTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 992
Db 4859 GATAACCGCGAACCTGGTGATATTCAAAATTCCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 4918
QY 993 GGTAGAAGATCAGTCAATTAATTAATCAATTAATTAATTAATTAATTAATTAATTAATTAAT 1052
Db 4919 GGCAGACAATGACACCATCGACTATTCCAACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 4972
QY 1053 TGAAGTGAATCAGCGTCAGAAACAATCCAGATATTGTGAAGTGTGAATGGGATGA 1112
Db 4973 TGGCATCATCAAGAGGAGGACAGACCTCGTATTTCACGTGAGTGTGAGATGTTTTCAGAA 5032
QY 1113 TTCTACAGTGGAGATAATATATACAGAAAGATGATGTAATACAAAGTCAAAATGCACT 1172
Db 5033 CACCTGGGTGACACCATGTACATTGCTAATGACACCATCCAGTGTGCTAATAACCAT 5092
QY 1173 -----GGGCAATATATACACAGCATGGCTCTTTTGTGAATCAA 1211
Db 5093 CCAGTGCAGGAAAGTCCAGTATGGCAATTTTGACGTGAACATTTCTTTTATATCTTCTC 5152
QY 1212 TTCAATTTGAAAGACTATATCTTGAATCACCATATTGTGATTTGAAATGAACTCTTTT 1271
Db 5153 ATCTTTCTGTATCTTGTGACAGCGCCCTTACTAGTGGACCTGACAGGACTTGTGA 5212
QY 1272 TGTTCAGAGTGTGTGACACCTTCAGATCCAAATTTGGTGGTGTGTCTTGTGATACCTGTAG 1331

Db 5213 CGTTCAGGGCTGAAATCCCTCCATTCTGATGCTGTAAGTCTGCTGCTGTTGTTGTGGACACCTGCGT 5272
 Qy 1332 AGCCTCTCC---CACCTCTGACTTTTGTCATCTCCAAACCTACGACCTATCAAGAGTGGATG 1388
 Db 5273 GGCATCACCATATCTCCAAATGACITTCACGTCTTTGACCTTATGATCTAATCCGGAGTGGATG 5332
 Qy 1389 TAGTCGAGATGAACACTTGTGAAGTGTATCCCTT---ATTGGACACTATCGGAGATTCCA 1445
 Db 5333 CGTGAGGGATGACACCTTACGGAACCTACTCTCTCGCCATCTCTTGGCAATTCGCCGCTTCG 5392
 Qy 1446 GTTTAATGCGCTTTAAATCTTTGAGAAGTATGAGCTCTGTCTGTATCTGTCAGTGTAAAGTTTT 1505
 Db 5393 GTTCAGGGCTTCCACTTCTGTAACCGCTTCCCTCCGCTGTAACCTGCGTTGTAATAATGGT 5452
 Qy 1506 GATATGTGATAGCAGTGAACACCAAGTCTCGCTGCAATCAAGGTGTGTCTCCAGAAAGCAA 1565
 Db 5453 GGTGTGCAGAGCGTATGACCCCTCTTCCCGCTGCTACCCGAGGCTGTGTGTGAGGTGCAA 5512
 Qy 1566 ACCAGACATTTCTCATATAATAATGGAACACAGATTCCATCATAGGACCCCATTCGTCTGAA 1625
 Db 5513 GAGGGATGTGGGCTCTTACCAGGAAAAGGTGGAGCTGCTCTGGTCCCATCCAGCTGCA 5572
 Qy 1626 AA 1627
 Db 5573 GA 5574

 RESULT 9
 US-09-341-587-4
 ; Sequence 4, Application US/09341587
 ; Patent No. 6345606
 ; GENERAL INFORMATION:
 ; APPLICANT: Mollenhauer, Jan
 ; TITLE OF INVENTION: Protein Containing an SRCR Domain
 ; FILE REFERENCE: 4121-108
 ; CURRENT APPLICATION NUMBER: US/09/341,587
 ; CURRENT FILING DATE: 1999-08-31
 ; EARLIER APPLICATION NUMBER: PCT/DE98/00096
 ; EARLIER FILING DATE: 1998-01-09
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 4
 ; LENGTH: 5802
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-341-587-4

 Query Match. 6.2%; Score 122.8; DB 4; Length 5802;
 Best Local Similarity 48.0%; Pred.No.7e-28;
 Matches 577; Conservative 0; Mismatches 577; Indels 48; Gaps 6;

 Qy 462 CTGTGGCGGTTACCTGGATACCTTTGGAAGGATCCTTCACAGAGCCCAATTACCCAAAGCC 521
 Db 4243 CTGCGGAGGCTTCTATCCCAACCATCAGGGACATTTTCAGGCCATCTATCCCGGAA 4302
 Qy 522 GCATCCTGAGCTGCTTATTGTGTGGCAATCAAGTGAGAGAAAGATTACAAGATAAA 581
 Db 4303 CTATCCAAACAATGCCAAGTGTGTGTGGACATTTGAGGTGCAAAACAACATCCCGTGTCA 4362
 Qy 582 ACTAAACTTCAAGAGATTTTCTTAGAAATAGACAAACAGTGCATTTGATTTTCTTTC 641
 Db 4363 TGTGATCTTCAGAGATGTCAGCTTGAAAGGTGGC-----TGAACATGATGATATATGA 4416
 Qy 642 CATCTATGATGGCCCTCCACCAACTCTGGCCGATTTGGACAAGTCTGTGGCCGTGTGAC 701
 Db 4417 AGTTTTGATGGCCCTTACCGAGTTCCTCTCATTTGCTCGAGTTGTGATGGGCCAG 4476
 Qy 702 TCCACCTTGAATGGTCACTCAAACTCTCTGACTGTGTGTGTCTACAGATTATGCCAA 761
 Db 4477 AGGCTCCTTCACTTCTTCTCTCCAACTTCATGTCCATTCGCTTTCATGAGTACCAAGCAT 4536
 Qy 762 TTCTTACCGGGGATTTTCTGTTCTCTACACCTCAATTTATTCAGAAAACATCAACACTAC 821

EARLIER APPLICATION NUMBER: PCT/DE98/00096

EARLIER FILING DATE: 1998-01-09

NUMBER OF SEQ ID NOS: 12

SOFTWARE: Patent in Ver. 2.1

SEQ ID NO 2

LENGTH: 2001

TYPE: DNA

ORGANISM: Homo sapiens

US-09-341-587-2

Query Match 3.7%; Score 73.4; DB 4; Length 2001;
Best Local Similarity 51.0%; Pred. No. 1.5e-12; Indels 0; Gaps 0;
Matches 173; Conservative 0; Mismatches 166; Indels 0; Gaps 0;
QY 456 TCAAACTGGCGTTACTCGATACCTTGAAGGATCTTCAACGCCCAATACCC 515
DB 555 TCAAACTGGCGTTACTCGATACCTTGAAGGATCTTCAACGCCCAATACCC 614
QY 516 AAGCCGCATCTGAGCTGCTTATTTGTTGGGCACATACAGTGGAGAAATACAA 575
DB 615 TGCATACCTCCCAACCAATGCTAAGTGTGTTGGGAAATAGAGTGAATCTGTTATCG 674
QY 576 GATAAACTAACTTCAAGAGATTTTCTAGAAATAGACAAACAGTGCATAATTTGATTT 635
DB 675 CATAACTGGCGTTTCACTGATATCTGAATTTGGAGGCACACCACTACTGAGTTTGATTA 734
QY 636 TCTTGCATCTATGATGGCCCTCCACCACTCTGGCTGTGATGACAAAGTCTGTGGCGG 695
DB 735 TGTGAAATCTTTGATGGATCATTAATAGACAGTCTCTCTGCTGGGAAATCTGTAATGA 794
QY 696 TGTGACTCCACCTTCGAATCTCATCAAACTCTCTGACTGCTGCTGTCTACAGATTA 755
DB 795 TACCAGGCAATATTACATCTTCTTACAAACGAATGACCATTCATCTTCGAAGTGACAT 854
QY 756 TGCCAATCTTACCGGGATTTCTGCTTCTTACACCTC 794
DB 855 CAGTTTCCAAAACACTGGCTTTTGGCTTGGTATACTC 893

RESULT 11

US-09-341-461-1

Sequence 1, Application US/09341461.

Patent No. 6586389

GENERAL INFORMATION:

APPLICANT: Hammond, Timothy G.

APPLICANT: Verroust, Pierre J.

TITLE OF INVENTION: Cubilin Protein, DNA Sequences Encoding Cubilin

FILE REFERENCE: D6148

CURRENT APPLICATION NUMBER: US/09/341,461

EARLIER FILING DATE: 2000-07-20

PRIOR APPLICATION NUMBER: PCT/US99/01259

PRIOR FILING DATE: 1999-01-21

NUMBER OF SEQ ID NOS: 40

SEQ ID NO 1

LENGTH: 11272

TYPE: DNA

ORGANISM: rat

FEATURE:

OTHER INFORMATION: nucleic acid sequence of rat cubilin

US-09-341-461-1

Query Match

Best Local Similarity 3.3%; Score 65; DB 4; Length 11272;

Matches 180; Conservative 0; Mismatches 165; Indels 6; Gaps 1;

QY 463 TGTGGCGTTACTGGATCTTGAAGGATCTTCAACGCCCAATACCCAAAGCG 522

DB 7354 TGTGGCGGATTTACATGGCCCTACTGGCACATTTACTTCTCCCACTACCCAAACCA 7413

QY 523 CATCCTGAGCTGGCTTATTTGTTGGGCACATACAAAGTGGAGAAAGATTACAGATAAA 582

DB 7414 AATCCTCATGCCCGGATCTGTAGTGGACGATCATCTGTACAAAGAGGCGGATCGTC 7473

RESULT 13

US-09-285-385C-1

Sequence 1, Application US/09285385C

Patent No. 6579702

GENERAL INFORMATION:

APPLICANT: Greenspan, Daniel S.

APPLICANT: Scott, Ian C.

APPLICANT: Thomas, Christina L.

TITLE OF INVENTION: MAMMALIAN TOLLOID-LIKE GENE AND PROTEIN

FILE REFERENCE: 960296.96111

CURRENT APPLICATION NUMBER: US/09/285,385C

EARLIER FILING DATE: 1999-04-02

PRIOR APPLICATION NUMBER: 60/111873

PRIOR FILING DATE: 1998-12-11

QY 583 CTAAACTTCAAAGAGATTTTCTAGAAATAGACAAACAGTGCATAATTTGATTTCTTCCC 642
DB 7474 CTGACGTTTACCACTTGGAGCTGAGTACCCAGCCATCTTGTAAACAGTGGACCTCATC 7533
QY 643 ATCTATGATGGCCCTTCCAACTCTGGCTGTGATGACAAAGTCTGTGGCGGTGACT 702
DB 7534 GTATTCAATGGCAATTAGAAGCAACTCGCCCTTACTACAGAACTGTGACGCGGTGAT 7593
QY 703 CCACCC-----TTCGAATCGTCATCAAACTCTCTGACTGTCTGCTGTCTACAGATTA 756
DB 7594 GTGACCAATGAATTCGAATCTTCAGAAACACCAATGAAGTGTATTTTCTACTGATGC 7653
QY 757 GCCAATTCCTTACCGGGATTTCTGTTCTCTACACTCTCAATTTATGCAAA 807
DB 7654 TCCCGCCCGTATGGAGGCTTCACTGTTCTTCTACACTCTACTGAAGATGCA 7704

RESULT 12

US-09-341-587-7

Sequence 7, Application US/09341587

Patent No. 6346606

GENERAL INFORMATION:

APPLICANT: Mollenhauer, Jan

TITLE OF INVENTION: Protein Containing an SRCR Domain

FILE REFERENCE: 4121-108

CURRENT APPLICATION NUMBER: US/09/341,587

EARLIER FILING DATE: 1999-08-31

EARLIER APPLICATION NUMBER: PCT/DE98/00096

EARLIER FILING DATE: 1998-01-09

NUMBER OF SEQ ID NOS: 12

SOFTWARE: Patent in Ver. 2.1

SEQ ID NO 7

LENGTH: 28720

TYPE: DNA

ORGANISM: Homo sapiens

US-09-341-587-7

Query Match

Best Local Similarity 2.9%; Score 56.6; DB 4; Length 28720;

Matches 110; Conservative 0; Mismatches 89; Indels 0; Gaps 0;

QY 1429 CACTATGGGAGATTCACAGTTTAAATGCTTTAAATTTCTTGAGAGTATGACTCTGTGAT 1488

DB 28072 CGCAATGCCCGCTTCCGGTTCCAGGGCTTCCACTTCCGAAACCGCTTCCCTCCCTGTAC 28131

QY 1489 CTCAGTGTAAAGTTTGTATGTATGATAGCAGTACACCACTCTCGTCAATCAAGT 1548

DB 28132 CTGCTTTGTAATGTGTGTGTGAGAGCGTATGACCCCTCTTCCGCTCTACGAGGC 28191

QY 1549 TGTGTCTCCAGAGCAACAGCAGACATTTCTTATATAATGGAAGAAACAGATTCCATATA 1608

DB 28192 TGTGTGTGAGGTGCAAGAGGATGTGGCTCTCTACCAAGAAAGGTGACGTCTGCTCG 28251

QY 1609 GGACCCATTCGTCTGAAA 1627

DB 28252 GGTCCCATCCAGCTGCAGA 28270

Db 768 GTGAAGTTTGAGTTTTTGAATTGGAAGCAATGAAGTTTCACAAATATGATTATGTGGAG 827
QY 643 ATCTATGATGGCCCTCCACCAACTCTGGCCTGATTTGGACAAAGTCTGTG9CCGTG 697
Db 828 ATCTGGAGTGGTCTTTCTCTGAGTCTAAACTGCAATGGCAAAATCTGTGGCGCTG 882

Search completed: February 18, 2004, 13:36:40
JOB time : 144.901 secs

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	1366	100.0		1966	9	US-09-864-711-1	Sequence 189, App
2	1944.4	98.9		2917	9	US-09-909-320-189	Sequence 189, App
3	1944.4	98.9		2917	9	US-09-909-088B-189	Sequence 189, App
4	1944.4	98.9		2917	9	US-09-905-231A-189	Sequence 189, App
5	1944.4	98.9		2917	9	US-09-902-853-189	Sequence 189, App
6	1944.4	98.9		2917	9	US-09-907-824-189	Sequence 189, App
7	1944.4	98.9		2917	9	US-09-907-841-189	Sequence 189, App
8	1944.4	98.9		2917	10	US-09-904-011-189	Sequence 189, App
9	1944.4	98.9		2917	10	US-09-906-742-189	Sequence 189, App
10	1944.4	98.9		2917	10	US-09-906-838-189	Sequence 189, App
11	1944.4	98.9		2917	10	US-09-907-613-189	Sequence 189, App
12	1944.4	98.9		2917	10	US-09-907-942-189	Sequence 189, App
13	1944.4	98.9		2917	10	US-09-904-859-189	Sequence 189, App
14	1944.4	98.9		2917	10	US-09-909-204-189	Sequence 189, App
15	1944.4	98.9		2917	10	US-09-904-820-189	Sequence 189, App

181	QY	TGSCAAATAGAAAGACAGAGAAAACAAAGCATCAGAAATATCTTTTCTATGTCCAGCTT	240
181	DB	TGSCAAATAGAAAGACAGAGAAAACAAAGCATCAGAAATATCTTTTCTATGTCCAGCTT	240
241	QY	GATCCAGATGGAAGCTCTGAAAGTGAAGAACATTTAAAGTCTTTGACGGAACTCCAGCAAT	300
241	DB	GATCCAGATGGAAGCTCTGAAAGTGAAGAACATTTAAAGTCTTTGACGGAACTCCAGCAAT	300
301	QY	GGGCGCTCTGTGGGCGAGTCTCGAGTAAAGACGCTATGTTCCTGTATTTGAACTATCA	360
301	DB	GGGCGCTCTGTGTAGGGCAAGTCTCGAGTAAAGACGCTATGTTCCTGTATTTGAACTATCA	360
361	QY	TCCAGTACATGAGCTTTCAAAATAGTTACTGACTCAGCAAGAAATTCAGAACTGTCTTT	420
361	DB	TCCAGTACATGAGCTTTCAAAATAGTTACTGACTCAGCAAGAAATTCAGAACTGTCTTT	420
421	QY	GTCTTCTACTACTCTCTCTCTCTACATCTCTATTCGAAACTGTGGCGTTACCTGGAT	480
421	DB	GTCTTCTACTACTCTCTCTCTCTACATCTCTATTCGAAACTGTGGCGTTACCTGGAT	480
481	QY	ACCTTGGAAAGATCTTTACCAGCCCAATATCCAAAGCCGCATCTCGAGCTGGCTTAT	540
481	DB	ACCTTGGAAAGATCTTTACCAGCCCAATATCCAAAGCCGCATCTCGAGCTGGCTTAT	540
541	QY	TGTCGTGGCACATACAAAGTGGAGAAAGATTACAGATAAACATAAATCTTCAGAGATT	600
541	DB	TGTCGTGGCACATACAAAGTGGAGAAAGATTACAGATAAACATAAATCTTCAGAGATT	600
601	QY	TTCTTAGAATPAGACAAACAGTCCAAATTTGATTTCTTGCCATCTATGATGCCCTCC	660
601	DB	TTCTTAGAATPAGACAAACAGTCCAAATTTGATTTCTTGCCATCTATGATGCCCTCC	660
661	QY	ACCAACTCTGCCCTGATTGACAAAGTCTGTGGCGGTGTGACTCCCACTTCGGAATCGTCA	720
661	DB	ACCAACTCTGCCCTGATTGACAAAGTCTGTGGCGGTGTGACTCCCACTTCGGAATCGTCA	720
721	QY	TCAAACCTCTGACTGCTGTGTGTCTACAGATTATGCCAATCTTACC CGGGATTTCT	780
721	DB	TCAAACCTCTGACTGCTGTGTGTCTACAGATTATGCCAATCTTACC CGGGATTTCT	780
781	QY	GCTTCTTACACCTCAATTTATGAGAAAACATCAACACTACATCTTTAACTTGCTCTTCT	840
781	DB	GCTTCTTACACCTCAATTTATGAGAAAACATCAACACTACATCTTTAACTTGCTCTTCT	840
841	QY	GACAGGATGAGATTATTAAGCAAAATCCTACCTAGAGGCTTTTAACTTAATGGGAAT	900
841	DB	GACAGGATGAGATTATTAAGCAAAATCCTACCTAGAGGCTTTTAACTTAATGGGAAT	900
901	QY	AAC TTGCACTTAAAGACCCAACTTCGACACAAAATTAATCAAAATGTGTGGAAATTTCT	960
901	DB	AAC TTGCACTTAAAGACCCAACTTCGACACAAAATTAATCAAAATGTGTGGAAATTTCT	960
961	QY	GTCCCTCTTAATGATGTGTGATCAATPCAGAAAGGTAGAAGATCAGTCAATTTACTTAC	1020
961	DB	GTCCCTCTTAATGATGTGTGATCAATPCAGAAAGGTAGAAGATCAGTCAATTTACTTAC	1020
1021	QY	AATATAATCACTTTTCTGCATCTCTCAAATTTCTGAAGTGTATCAACCGTCAGAAACATC	1080
1021	DB	AATATAATCACTTTTCTGCATCTCTCAAATTTCTGAAGTGTATCAACCGTCAGAAACATC	1080
1081	QY	CAGATTATTTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATCATCAACA	1140
1081	DB	CAGATTATTTGAAGTGTGAATTTGGGACATAATTTCTACAGTGGAGATAATATCATCAACA	1140
1141	QY	GAAATGATGTAAATACAAAGTCAAAATGCACCTGGGCAAAATATAACACAGCATGGCTCTT	1200
1141	DB	GAAATGATGTAAATACAAAGTCAAAATGCACCTGGGCAAAATATAACACAGCATGGCTCTT	1200
1201	QY	TTTGAATCCAAATTCATTTGAAAAGACTATCTTGAACTACCAATATTAATGTGGATTGAC	1260
1201	DB	TTTGAATCCAAATTCATTTGAAAAGACTATCTTGAACTACCAATATTAATGTGGATTGAC	1260
1261	QY	CAAACCTCTTTTGTTCAGTTAGTCTGCGACACTCAGATCCAAATTTGGTGGTCTTCTT	1320

1261	DB	CAAACTCTTTTGTCTCAAGTTAGTCTGCACACTCAGATCCAAATTTGGTGGTGTCTCT	1320
1321	QY	GATACCTGTAGAGCCTCTCCACCTCTGACTTTGCACTCTCAACCTCAGACCTAATCAAG	1380
1321	DB	GATACCTGTAGAGCCTCTCCACCTCTGACTTTGCACTCTCAACCTCAGACCTAATCAAG	1380
1381	QY	AGTGTAGTGTAGTCCAGATGAACCTTGTAAGGTGTATCCCTTATTTGGACACATATGGCAGA	1440
1381	DB	AGTGTAGTGTAGTCCAGATGAACCTTGTAAGGTGTATCCCTTATTTGGACACATATGGCAGA	1440
1441	QY	TTCCAGTTTAAATGCCCTTTAAATCTTTGACAGATATGACTCTGTGTGTATCGCAGTGTAAA	1500
1441	DB	TTCCAGTTTAAATGCCCTTTAAATCTTTGACAGATATGACTCTGTGTATCGCAGTGTAAA	1500
1501	QY	GTTTTGATATGTGATAGCAGTACACACAGTCTCTCGCTGCATCAAGGTTGTGTCTCAGA	1560
1501	DB	GTTTTGATATGTGATAGCAGTACACACAGTCTCTCGCTGCATCAAGGTTGTGTCTCAGA	1560
1561	QY	AGCAAAACGAGACATTTCTTCATATAAATGCAAAAACAGATTCCATCATAGGACCCATTCTGT	1620
1561	DB	AGCAAAACGAGACATTTCTTCATATAAATGCAAAAACAGATTCCATCATAGGACCCATTCTGT	1620
1621	QY	CTGAAAAGGATCGAAGTGCAGGTGCCAATTCAGACATTCAGCATGAAAACACATGCGGAA	1680
1621	DB	CTGAAAAGGATCGAAGTGCAGGTGCCAATTCAGACATTCAGCATGAAAACACATGCGGAA	1680
1681	QY	GAACTCCAAACAGCCTTTCAACAGTGTGCATCTGTTTCTTCACTGGTTCAGCTCTGT	1740
1681	DB	GAACTCCAAACAGCCTTTCAACAGTGTGCATCTGTTTCTTCACTGGTTCAGCTCTGT	1740
1741	QY	AATGTGTGTAGTGTAGCGCAATTCACAGTGTGGCCATTTTGTAAATCAACGGGCGAGCTAC	1800
1741	DB	AATGTGTGTAGTGTAGCGCAATTCACAGTGTGGCCATTTTGTAAATCAACGGGCGAGCTAC	1800
1801	QY	AAATACACAGAGCTGCAGAACATTAACTAAACAGCTCAACCTTAAGTGTAGACATGTTTC	1860
1801	DB	AAATACACAGAGCTGCAGAACATTAACTAAACAGCTCAACCTTAAGTGTAGACATGTTTC	1860
1861	QY	TCCAGATGCCAAGGAAATGCTACTCTCTGTGCTACACATATTATGAAATAAATGAGGAG	1920
1861	DB	TCCAGATGCCAAGGAAATGCTACTCTCTGTGCTACACATATTATGAAATAAATGAGGAG	1920
1921	QY	GGCCTGAAAGTGCACACAGGGCCTGCAATGTCAAAAATAAAAAA	1966
1921	DB	GGCCTGAAAGTGCACACAGGGCCTGCAATGTCAAAAATAAAAAA	1966

RESULT 2

US-909-320-189

Sequence 189, Application US/09909320

Patent No. US2002013240A1

GENERAL INFORMATION:

APPLICANT: Genetech, Inc.

APPLICANT: Ashkenazi, Avi

APPLICANT: Deenoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Flavaro, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Garber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, A.

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, Austin L.

APPLICANT: Gurney, Christopher J.

APPLICANT: Hillan, Kenneth, J.

APPLICANT: KJavlin, Ivar J.

APPLICANT: Mather, Jennie P.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

QY 360 ATCCAGTACATTGACGTTTCAATAGTACTGACTCAGCAGAAATCAAGAACTGTCTT 419
Db 1320 ATCCAGTACATTGACGTTTCAATAGTACTGACTCAGCAGAAATCAAGAACTGTCTT 1379
QY 420 TGTCTTCTACTACTTCTCTCTTAACATCTCTATTCCAAATCTGTGGGGTTACTGGA 479
Db 1380 TGTCTTCTACTACTTCTCTCTTAACATCTCTATTCCAAATCTGTGGGGTTACTGGA 1439
QY 480 TACCTTGGAGGATCTCTTACCAGCCCAATTAACCCAAAGCCGCACTCTGAGCTGGCTTA 539
Db 1440 TACCTTGGAGGATCTCTTACCAGCCCAATTAACCCAAAGCCGCACTCTGAGCTGGCTTA 1499
QY 540 TTGTGTGGGCAATCAAGTGGAGAAAGATTAAGAATTAACCTTAACCTCAAGAGAT 599
Db 1500 TTGTGTGGGCAATCAAGTGGAGAAAGATTAAGAATTAACCTTAACCTCAAGAGAT 1559
QY 600 TTTCCTAGAAATAGACAAACAGTGAATTTTCTTGGCCATCTATGATGGCCCTTC 659
Db 1560 TTTCCTAGAAATAGACAAACAGTGAATTTTCTTGGCCATCTATGATGGCCCTTC 1619
QY 660 CACCAACTCTGGCTGANTGGAACAAGTCTGTGGCCGTGTGACTCCCACTTGAATCGTC 719
Db 1620 CACCAACTCTGGCTGANTGGAACAAGTCTGTGGCCGTGTGACTCCCACTTGAATCGTC 1679
QY 720 ATCAAACTCTGACTGCTGTGTCTACAGATTAAGCAATCTTACCGGGGATTTTC 779
Db 1680 ATCAAACTCTGACTGCTGTGTCTACAGATTAAGCAATCTTACCGGGGATTTTC 1739
QY 780 TGCTTCTTACACCTCAATTTATGAGAAACATCAACACTACATCTTTAACTTGTCTTC 839
Db 1740 TGCTTCTTACACCTCAATTTATGAGAAACATCAACACTACATCTTTAACTTGTCTTC 1799
QY 840 TGACAGATGAGATTAATTAAGCAATCTTACCTAGAGCTTTTAACTTAATGGGAA 899
Db 1800 TGACAGATGAGATTAATTAAGCAATCTTACCTAGAGCTTTTAACTTAATGGGAA 1859
QY 900 TAACTTCAACTAAAGACCCCACTTGCAGACCAAAATTAACAAATTTGTGGAATTTTC 959
Db 1860 TAACTTCAACTAAAGACCCCACTTGCAGACCAAAATTAACAAATTTGTGGAATTTTC 1919
QY 960 TGTCCCTCTTAATGGATGTGTACAAATCAGAAAGGTAGAAGTCACTCAATTTACAC 1019
Db 1920 TGTCCCTCTTAATGGATGTGTACAAATCAGAAAGGTAGAAGTCACTCAATTTACAC 1979
QY 1020 CAATATAATCACTTTTCTGCTCCTCAACTCTTGAAGTATCAACCGCTCAGAAACAACT 1079
Db 1980 CAATATAATCACTTTTCTGCTCCTCAACTCTTGAAGTATCAACCGCTCAGAAACAACT 2039
QY 1080 CCAGATTAATGTGAAGTGTGAATGGGACATAATTTCTACGTGGAGATAATATACATAAC 1139
Db 2040 CCAGATTAATGTGAAGTGTGAATGGGACATAATTTCTACGTGGAGATAATATACATAAC 2099
QY 1140 AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAATATAACACAGCATGGCTCT 1199
Db 2100 AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAATATAACACAGCATGGCTCT 2159
QY 1200 TTTTGAATCCAAATCAATTTGAAAAGACTATCTTGAATCAACATTAATGTGGAATTTGAA 1259
Db 2160 TTTTGAATCCAAATCAATTTGAAAAGACTATCTTGAATCAACATTAATGTGGAATTTGAA 2219
QY 1260 CCAAACTCTTTTGTTCAGATGATCTGCAACACTCAGATCCAAATTTGTGGTGTCT 1319
Db 2220 CCAAACTCTTTTGTTCAGATGATCTGCAACACTCAGATCCAAATTTGTGGTGTCT 2279
QY 1320 TGATACCTGTAGAGCTCTCCACCTCTGACTTTGCACTCTCAACCTACGACCTTAACAA 1379
Db 2280 TGATACCTGTAGAGCTCTCCACCTCTGACTTTGCACTCTCAACCTACGACCTTAACAA 2339
QY 1380 GAGTGGATGTAGTGCAGATGAACCTTGAAGTGTATCCCTTATTTGGACACTATGGAG 1439
Db 2340 GAGTGGATGTAGTGCAGATGAACCTTGAAGTGTATCCCTTATTTGGACACTATGGAG 2399
QY 1440 ATTCCAGTTTAAATGCTTTAAATTTCTTGAGAAGTATGAGCTCTGTATCTGCAGTGTAA 1499

Db 2400 ATTCCAGTTTAAATGCTTTTAAATTTCTTGAGAAGTATGAGCTCTGTATCTGCAGTGTAA 2459
QY 1500 AGTTTTGATATGATAGCAGTGCACCAAGTCTCCCTGCAATCAAGGTTGTCTCTCCAG 1559
Db 2460 AGTTTTGATATGATAGCAGTGCACCAAGTCTCCCTGCAATCAAGGTTGTCTCTCCAG 2519
QY 1560 AAGCAACGAGACATTTCTTCATATAAATGGAAGAAAGATTCATCATAGGCCATTCG 1619
Db 2520 AAGCAACGAGACATTTCTTCATATAAATGGAAGAAAGATTCATCATAGGCCATTCG 2579
QY 1620 TCTGAAAGGATTCGAAGTGCAGCAATTCAGGATTTTCAGCATGAAACATCGGGA 1679
Db 2580 TCTGAAAGGATTCGAAGTGCAGCAATTCAGGATTTTCAGCATGAAACATCGGGA 2639
QY 1680 AGAAATCCAAACGAGCTTTTCAACAGTGTGCACTCTGTTTCTTCTGTTAGCTCT 1739
Db 2640 AGAAATCCAAACGAGCTTTTCAACAGTGTGCACTCTGTTTCTTCTGTTAGCTCT 2699
QY 1740 GAATGTGCTGACTGTAGCGCAATTCAGTGCAGCAATTTGTAAATCAACGGGCGAGCTA 1799
Db 2700 GAATGTGCTGACTGTAGCGCAATTCAGTGCAGCAATTTGTAAATCAACGGGCGAGCTA 2759
QY 1800 CAAATACGAGAGCTGCAGAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTT 1859
Db 2760 CAAATACGAGAGCTGCAGAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTT 2819
QY 1860 CTCCAGATGCAAGGAAATGCTTACCTGCTGCTACATATTTATGAATTAATGAGGAA 1919
Db 2820 CTCCAGATGCAAGGAAATGCTTACCTGCTGCTACATATTTATGAATTAATGAGGAA 2879
QY 1920 GGGCTGAAAGTGCACACAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1957
Db 2880 GGGCTGAAAGTGCACACAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2917

RESULT 4

US-09-905-291A-189
; Sequence 189, Application US/09905291A
; Patent No. US20020160374A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,291A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22

QY 540 TTGTTGGGCAATACAAAGTGGAGAAAGATTACAGATATAAACTTAACTTCAAAGAGAT 599
 Db 1500 TTGTTGGGCAATACAAAGTGGAGAAAGATTACAGATATAAACTTAACTTCAAAGAGAT 1559
 QY 600 TTTCCTAGAAATAGACAAACAGTGCACAAATTTGATTTCTTTGCCATCTATGATGGCCCTTC 659
 Db 1560 TTTCCTAGAAATAGACAAACAGTGCACAAATTTGATTTCTTTGCCATCTATGATGGCCCTTC 1619
 QY 660 CACCAACTCTGGCCTGATGGACAAAGTCTGGCCGCTGTGACTCCACACTTCAATCGTC 719
 Db 1620 CACCAACTCTGGCCTGATGGACAAAGTCTGGCCGCTGTGACTCCACACTTCAATCGTC 1679
 QY 720 ATCAAATCTCTGACTGTCTGTCTTACAGATTTATGCCAATCTTACCGGGGATTTTC 779
 Db 1680 ATCAAATCTCTGACTGTCTGTCTTACAGATTTATGCCAATCTTACCGGGGATTTTC 1739
 QY 780 TGCCTCTACACCTCAATTTATGAGAAACATCAACACTACATCTTTAACTTCTCTTC 839
 Db 1740 TGCCTCTACACCTCAATTTATGAGAAACATCAACACTACATCTTTAACTTCTCTTC 1799
 QY 840 TCACAGGATGAGAGTTATTTAAGCAATCTCTACAGGCTTTTAACTCTTAATGGGAA 899
 Db 1800 TCACAGGATGAGAGTTATTTAAGCAATCTCTACAGGCTTTTAACTCTTAATGGGAA 1859
 QY 900 TAACTTGAACCTTAAAGACCCACTTTCAGACCAAAATTTAACTTCTCTTC 959
 Db 1860 TAACTTGAACCTTAAAGACCCACTTTCAGACCAAAATTTAACTTCTCTTC 1919
 QY 960 TGTCCCTCTTAAATGATGTGTACAAATCAGAAAGGTAGAAGATCAGTCAATTTCTACAC 1019
 Db 1920 TGTCCCTCTTAAATGATGTGTACAAATCAGAAAGGTAGAAGATCAGTCAATTTCTACAC 1979
 QY 1020 CAATATAATCACTTTCTGATCTCAACTTCTGAAGTGTATCAACCGTCAGAAACAACT 1079
 Db 1980 CAATATAATCACTTTCTGATCTCAACTTCTGAAGTGTATCAACCGTCAGAAACAACT 2039
 QY 1080 CCAGATTTATGTAAGTGTAAATGGGACATAATTTCTACAGTGGAGATAATATACATAAC 1139
 Db 2040 CCAGATTTATGTAAGTGTAAATGGGACATAATTTCTACAGTGGAGATAATATACATAAC 2099
 QY 1140 AGAAGATGATGTAATACAAAGTCAAAATGCACTGGGCAATATATAACACAGATGGCTCT 1199
 Db 2100 AGAAGATGATGTAATACAAAGTCAAAATGCACTGGGCAATATATAACACAGATGGCTCT 2159
 QY 1200 TTTTGAATCCAATTCATTTGAAAGATATATCTTGAATACCAATTTATGTAAGTGTAA 1259
 Db 2160 TTTTGAATCCAATTCATTTGAAAGATATATCTTGAATACCAATTTATGTAAGTGTAA 2219
 QY 1260 CAAACTCTTTTGTTCAGTTAGTCTGCACACCTCAGATCCAAATTTGTTGTCT 1319
 Db 2220 CAAACTCTTTTGTTCAGTTAGTCTGCACACCTCAGATCCAAATTTGTTGTCT 2279
 QY 1320 TGATACCTGTAGAGCTCTCCACTCTGATCTTGAATCTTCAACCTACGACCTAATCAA 1379
 Db 2280 TGATACCTGTAGAGCTCTCCACTCTGATCTTGAATCTTCAACCTACGACCTAATCAA 2339
 QY 1380 GAGTGTATGTCTGAGATGAACTTTGTAAGTGTATCCCTTATTTGACACTATGGAG 1439
 Db 2340 GAGTGTATGTCTGAGATGAACTTTGTAAGTGTATCCCTTATTTGACACTATGGAG 2399
 QY 1440 ATTCAGTTTAAATGCTTTAAATCTTGAAGATGAGCTCTGTATCTGCAAGTGA 1499
 Db 2400 ATTCAGTTTAAATGCTTTAAATCTTGAAGATGAGCTCTGTATCTGCAAGTGA 2459
 QY 1500 AGTTTGTATGTATGATGAGTGAACGACACAGTCTGCTGCAATCAAGTTGTCTCCAG 1559
 Db 2460 AGTTTGTATGTATGATGAGTGAACGACACAGTCTGCTGCAATCAAGTTGTCTCCAG 2519
 QY 1560 AGCAAAACAGACATTTCTTATATAATGAAACAGATTCATATAGAACCCATTCG 1619
 Db 2520 AGCAAAACAGACATTTCTTATATAATGAAACAGATTCATATAGAACCCATTCG 2579
 QY 1620 TCTGAAAGGGATCGAAGTGCAGGTGGCAATTCAGGATTTTCAGCATGAAACACATGGGA 1679

RESULT 6

US-09-907-824-189
 ; Sequence 189, Application US/09907824
 ; Publication No. US20020197671A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
 APPLICANT: Ashkenazi, Avi
 APPLICANT: Botstein, David
 APPLICANT: Deenoyers, Luc
 APPLICANT: Baron, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Fliviaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth, J.
 APPLICANT: Kijavlin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas P.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William, I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/907,824
 CURRENT FILING DATE: 2001-07-17
 PRIOR APPLICATION NUMBER: 09/665,350
 PRIOR FILING DATE: 2000-09-18
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13

; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 ; US-09-907-824-189.

Query Match 98.9%; Score 1944.4; DB 9; Length 2917;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1956; Conservative 1; Indels 1; Gaps 1;

QY	1	CAAAATGGAGCTGTGAAGAGGCTCATGCCATGTACCTCTTAATCTCTCTCTCTTTGGC	60
DB	960	CAAAATGGAGCTGTGAAGAGGCTCATGCCATGTACCTCTTAATCTCTCTCTCTTTGGC	1019
QY	61	GGA-CTGCAATGGCGGAGGCTGAAGGCAATCAAGCTGCACAGTCAGTCCTAGGGGGTGC	119
DB	1020	GGAGCTGCAATGGCGGAGGCTGAAGGCAATCAAGCTGCACAGTCAGTCCTAGGGGGTGC	1079
QY	120	CAATATGGCAGAGACCCACAAAGCCATGATCTGCAACTCAATCCAGTGAGACTGCAC	179
DB	1080	CAATATGGCAGAGACCCACAAAGCCATGATCTGCAACTCAATCCAGTGAGACTGCAC	1339
QY	180	CTGGCAATAGAAAGACCAAGAAACAAAGCATCAGAAATATCTTTCTATGTCCAGCT	239
DB	1140	CTGGCAATAGAAAGACCAAGAAACAAAGCATCAGAAATATCTTTCTATGTCCAGCT	1199
QY	240	TGATCCAGATGGAAGCTGTGAAGTGAAACATTAAGCTCTTGACGGAACCTCCAGAA	299
DB	1200	TGATCCAGATGGAAGCTGTGAAGTGAAACATTAAGCTCTTGACGGAACCTCCAGAA	1259
QY	300	TGGGCTCTGTAGGCAAGTCTGCAGTAAACCAAGCATATGTTCTCTPANTTGAATCATC	359
DB	1260	TGGGCTCTGTAGGCAAGTCTGCAGTAAACCAAGCATATGTTCTCTPANTTGAATCATC	1319
QY	360	ATCCAGTACATTAAGCTTTCAATAGTTACTGACTCAGCAGAGATTCAAGAGACTGCTT	419
DB	1320	ATCCAGTACATTAAGCTTTCAATAGTTACTGACTCAGCAGAGATTCAAGAGACTGCTT	1379
QY	420	TGCTTTCTACTTCTCTCTTAACATCTCTATTTCCAAATGTGGCGGTACCTTGA	479
DB	1380	TGCTTTCTACTTCTCTCTTAACATCTCTATTTCCAAATGTGGCGGTACCTTGA	1439
QY	480	TACCTTTGGAAGGATCTCTCACCAGCCCAATTAACCAAGCGCATCTGTAGCTGGCTTA	539
DB	1440	TACCTTTGGAAGGATCTCTCACCAGCCCAATTAACCAAGCGCATCTGTAGCTGGCTTA	1499
QY	540	TTGTGTGGCAGATCAAGAGTGGAGAGAGATTACAAGATAAACTTAACTTCAAGAGAT	599
DB	1500	TTGTGTGGCAGATCAAGAGTGGAGAGAGATTACAAGATAAACTTAACTTCAAGAGAT	1559

QY	600	TTTCTCTAGAAATAGACAAACAGTGCAAAATTTGATTTTCTTGCCATCTATGATGGCCCTC	659
DB	1560	TTTCTCTAGAAATAGACAAACAGTGCAAAATTTGATTTTCTTGCCATCTATGATGGCCCTC	1619
QY	660	CACCAACTCTGGCCCTGATTTGGACAAGTCTGTGGCCGCTGTGACTCCACCTTCCGAATCGTC	719
DB	1620	CACCAACTCTGGCCCTGATTTGGACAAGTCTGTGGCCGCTGTGACTCCACCTTCCGAATCGTC	1679
QY	720	ATCAAACTCTCTGACTGTCTGTGTTGTCTACAGATTATGCCAATCTTTTACCGGGGATTTTC	779
DB	1680	ATCAAACTCTCTGACTGTCTGTGTTGTCTACAGATTATGCCAATCTTTTACCGGGGATTTTC	1739
QY	780	TGCTTCTCTACACCTCAATTTATGCAAAACATCAACACTACATCTTTAACTTGTCTCTTC	839
DB	1740	TGCTTCTCTACACCTCAATTTATGCAAAACATCAACACTACATCTTTAACTTGTCTCTTC	1799
QY	840	TGACAGAGTGTAGATTATTAAGCAATCTTACCTTAGAGGCTTTTAACTTAACTTGGGAA	899
DB	1800	TGACAGAGTGTAGATTATTAAGCAATCTTACCTTAGAGGCTTTTAACTTAACTTGGGAA	1859
QY	900	TAACTTGTCAACTTAAAGACCCCACTTGCAGACCAAAATTTATCAAAATGTTGTGGAAATTTTC	959
DB	1860	TAACTTGTCAACTTAAAGACCCCACTTGCAGACCAAAATTTATCAAAATGTTGTGGAAATTTTC	1919
QY	960	TGTCCCTCTTAATGGATGTGTGTACAAATCAGAAAGGTAGAAGATCACTTAATTACAC	1019
DB	1920	TGTCCCTCTTAATGGATGTGTGTACAAATCAGAAAGGTAGAAGATCACTTAATTACAC	1079
QY	1020	CAATATAATCACTTTTCTGCATCCTCAACTTCTGAAGTGTATCAAAATGTTGTGGAAATTTTC	1079
DB	1980	CAATATAATCACTTTTCTGCATCCTCAACTTCTGAAGTGTATCAAAATGTTGTGGAAATTTTC	2039
QY	1080	CCAGATTATTGTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATTAATATACATAAC	1139
DB	2040	CCAGATTATTGTGAAGTGTGAATGGGACATAATTTCTACAGTGGAGATTAATATACATAAC	2099
QY	1140	AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAAAATTAACACAGCATGCTCT	1199
DB	2100	AGAAGATGATTAATCAAAAGTCAAAATGCACTGGGCAAAATTAACACAGCATGCTCT	2159
QY	1200	TTTTGAATCCAAATTTTGAAGACTATCTTGTATCAGCATATATATGTGGATTTGAA	1259
DB	2160	TTTTGAATCCAAATTTTGAAGACTATCTTGTATCAGCATATATATGTGGATTTGAA	2219
QY	1260	CAAACTCTTTTGTCAAGTTAGTCTGCACTCAGATCCAAATTTGGTGGTGTCT	1319
DB	2220	CAAACTCTTTTGTCAAGTTAGTCTGCACTCAGATCCAAATTTGGTGGTGTCT	2279
QY	1320	TGATACCTGTAGAGCTCTCCACCTGTGACTTTGATCTCCAACTCAGATTAATCAA	1379
DB	2280	TGATACCTGTAGAGCTCTCCACCTGTGACTTTGATCTCCAACTCAGATTAATCAA	2339
QY	1380	GAGTGGATGTAGTCAAGATGAAACTTGTAAAGTGTATCCCTTATTTGGACACTATGGGAG	1439
DB	2340	GAGTGGATGTAGTCAAGATGAAACTTGTAAAGTGTATCCCTTATTTGGACACTATGGGAG	2399
QY	1440	ATTCAGTTTAAATCCCTTTTAAATTTCTGAGAAGTATGAGCTCTGCTATCTCGAGTAA	1499
DB	2400	ATTCAGTTTAAATCCCTTTTAAATTTCTGAGAAGTATGAGCTCTGCTATCTCGAGTAA	2459
QY	1500	AGTTTGTATGTATAGAGTGAACCACTGCTCCCTGCTCAATCAAGTTGTGTCTCCAG	1559
DB	2460	AGTTTGTATGTATAGAGTGAACCACTGCTCCCTGCTCAATCAAGTTGTGTCTCCAG	2519
QY	1560	AAGCAACCGAGACATTTCTTATATAAATGGAACACAGATTTCCATCATAGGACCCATCG	1619
DB	2520	AAGCAACCGAGACATTTCTTATATAAATGGAACACAGATTTCCATCATAGGACCCATCG	2579
QY	1620	TCTGAAAGGATGGAAGTGAAGTGGCAATTCAGGATTTTACGATTAACCAATCAATCGGA	1679
DB	2580	TCTGAAAGGATGGAAGTGAAGTGGCAATTCAGGATTTTACGATTAACCAATCAATCGGA	2639
QY	1680	AGAAACTCCAAACCAAGCCCTTTTCAACAGTGTGTCTCTGTTTCTTCTTCTAGCTCT	1739

: SEO TD NO 189

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; SEQ ID NO 103
; LENGTH: 2917

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LENGTH: 251
TYPE: DNA

ORGANISM: Homo Sapien

US-09-904-011-189

Query Match 98.9%: Score 1944.4; DB 10; Length 2917;

Query Match	Score	IS-11:11
Best Local Similarity	99.98%	pred No. 0
Best Local Similarity	99.98%	pred No. 0

BEST LOCAL SIMILARITY 99.9%; FREQ: NO: 0;
Matches 1956: Conservative 0: Mismatches 1: Indels 1: Gaps 1:

QY	1	CAAAATGGAGCTTGTAAAGAGGCTCATGCGATCGACCTCTTAATCTCTCTCTGTTTGGC	60
DB	960	CAAAATGGAGCTTGTAAAGAGGCTCATGCGATCGACCTCTTAATCTCTCTCTGTTTGGC	1019
QY	61	GGA - CTGACAAATGGCGGAGGCTGAAGGCAATGCAAGCTGCA CAGTCAGTCTAGGCGGTGC	119
DB	1020	GGAGCTGACAAATGGCGGAGGCTGAAGGCAATGCAAGCTGCA CAGTCAGTCTAGGCGGTGC	1079
QY	120	CAATATGGCGAGACCCACAAAGCCATGATCTGCGAACTCAATCCAGTCAGTAATGCGAC	179
DB	1080	CAATATGGCGAGACCCACAAAGCCATGATCTGCGAACTCAATCCAGTCAGTAATGCGAC	1139
QY	180	CTGGACAAATAGAAGACCCAGAAAAAAAAGCATCAGAAATATCTTTTCTATGTCCAGCT	239
DB	1140	CTGGACAAATAGAAGACCCAGAAAAAAAAGCATCAGAAATATCTTTTCTATGTCCAGCT	1199
QY	240	TGATCCAGATGGGAAGCTGTGAATGTGAATAACATTAAGTCTTTGACGGGAACCTCCAGCAA	299
DB	1200	TGATCCAGATGGGAAGCTGTGAATGTGAATAACATTAAGTCTTTGACGGGAACCTCCAGCAA	1259
QY	300	TGGGCTCTCTCTAGGCGAAGCTCTGCACTAAAAACGACTATGTTCTGTGATTTTGAATCATC	359
DB	1260	TGGGCTCTCTCTAGGCGAAGCTCTGCACTAAAAACGACTATGTTCTGTGATTTTGAATCATC	1319
QY	360	ATCCAGTACATTTGACGTTTCAAAATAGTACTGACTCAGCAAGAAATCAAGAACTGTCTT	419
DB	1320	ATCCAGTACATTTGACGTTTCAAAATAGTACTGACTCAGCAAGAAATCAAGAACTGTCTT	1379
QY	420	TGTCCTCTCATCTACTTCTCTCTCTACATCTCTATTCCAAAATGTGGCGGTTTACCTGGA	479
DB	1380	TGTCCTCTCATCTACTTCTCTCTCTACATCTCTATTCCAAAATGTGGCGGTTTACCTGGA	1439
QY	480	TACCTTGGGAAGGAPCCTTCCACAGCCCCAAATATCCAAAGCCGATCTCTGAGCTGGCTTA	539
DB	1440	TACCTTGGGAAGGATCCTTCCACAGCCCCAAATATCCAAAGCCGATCTCTGAGCTGGCTTA	1499
QY	540	TTGTGTGTGGCACATACAAGTGGGAAGATTAACAAGTAAACTAAACTTCAAGAGAT	599
DB	1500	TTGTGTGTGGCACATACAAGTGGGAAGATTAACAAGTAAACTAAACTTCAAGAGAT	1559
QY	600	TTTCTTAGAAATAGACAAACAGTGCAAATTTGATTTTCTTGCCATCTATGATGGCCCTC	659
DB	1560	TTTCTTAGAAATAGACAAACAGTGCAAATTTGATTTTCTTGCCATCTATGATGGCCCTC	1619
QY	660	CACCAACTCTGGCCTGATTGACAAAGCTGTGGCGGTGACTCCACCTTCCGAATGCTC	719
DB	1620	CACCAACTCTGGCCTGATTGACAAAGCTGTGGCGGTGACTCCACCTTCCGAATGCTC	1679
QY	720	ATCAAACTCTCTGACTGTGTGTGTCTTACAGATATTGCCAATTTCTTACCGGGATTTTC	779
DB	1680	ATCAAACTCTCTGACTGTGTGTGTCTTACAGATATTGCCAATTTCTTACCGGGATTTTC	1739
QY	780	TGCTTCTTACAGCTCAATTTATGCGAATAACATCAACTACATCTTTAACTTGCTCTCTC	839
DB	1740	TGCTTCTTACAGCTCAATTTATGCGAATAACATCAACTACATCTTTAACTTGCTCTCTC	1799
QY	840	TGACAGGATGAGAGTTATTATAAGCAAACTCTCTAGAGCTTTTAACTTAATGGGAA	899
DB	1800	TGACAGGATGAGAGTTATTATAAGCAAACTCTCTAGAGCTTTTAACTTAATGGGAA	1859
QY	900	TAACTTGCACATAAAGACCCCAATTTGCAGACCAAAATATCAATGTGTGGAAATTTTC	959
DB	1860	TAACTTGCACATAAAGACCCCAATTTGCAGACCAAAATATCAATGTGTGGAAATTTTC	1919

RESIST. 9

RESULTS
110-09-906-742-189

US-09-906--742-189
: Sequence 189, Application US/09906742

QY	1020	CAATATAACCTCTTTCTGCACTCTCACTCTCTGAGTGATCACCCCTCAGAACAACT	1079	APPLICANT: Botstein, David
Db	1980	CAATAAATCACTCTTTCTGCACTCTCACTCTCTGAGTGATCACCCCTCAGAACAACT	2039	APPLICANT: Deenoyers, Luc
QY	1080	CCAGATTATTGTAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATAAC	1139	APPLICANT: Baton, Dan L.
Db	2040	CCAGATTATTGTAAGTGTGAATGGGACATAATTTCTACAGTGGAGATAATATACATAAC	2099	APPLICANT: Ferrara, Napoleone
QY	1140	AGAGATGATGTAATCAAAAGTCAAAATGCACTGGGCAATATACACAGCATGGCTCT	1199	APPLICANT: Filvaroff, Ellen
Db	2100	AGAGATGATGTAATCAAAAGTCAAAATGCACTGGGCAATATACACAGCATGGCTCT	2159	APPLICANT: Fong, Sherman
QY	1200	TTTGTGAATCCAAATTCATTTGAAAGACTATATCTTGAATCACCATATATATGCGATTGAA	1259	APPLICANT: Gerber, Hanspeter
Db	2160	TTTGTGAATCCAAATTCATTTGAAAGACTATATCTTGAATCACCATATATATGCGATTGAA	2219	APPLICANT: Gerritsen, Mary E.
QY	1260	CCAAACTCTTTTGTTCAGATTAGTCTGCACACCTCAGATCCAAATTTGGTGGTCTTCT	1319	APPLICANT: Goddard, A.
Db	2220	CCAAACTCTTTTGTTCAGATTAGTCTGCACACCTCAGATCCAAATTTGGTGGTCTTCT	2279	APPLICANT: Godowski, Paul J.
QY	1320	TGATACCTGTAGAGCTCTCCCACTCTGACTTTGCACTCCAACTCAGACCTATCAAA	1379	APPLICANT: Grimaldi, Christopher J.
Db	2280	TGATACCTGTAGAGCTCTCCCACTCTGACTTTGCACTCCAACTCAGACCTATCAAA	2339	APPLICANT: Gurney, Austin L.
QY	1380	GAGTGGATGTAGCGAGATGAACCTTGTAAAGTGTATCCCTTATTTGGACACTATGGAG	1439	APPLICANT: Hillan, Kenneth, J.
Db	2340	GAGTGGATGTAGCGAGATGAACCTTGTAAAGTGTATCCCTTATTTGGACACTATGGAG	2399	APPLICANT: Kijavlin, Ivar J.
QY	1440	ATTCCAGTTTAATGCTTTTAAATTTCTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTA	1499	APPLICANT: Mather, Jennie P.
Db	2400	ATTCCAGTTTAATGCTTTTAAATTTCTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTA	2459	APPLICANT: Pan, James
QY	1500	AGTTTTCATATGTATAGAGTGAACCACTGCTCGCTGCAATCAAGTTGTGTCTCCAG	1559	APPLICANT: Paoni, Nicholas F.
Db	2460	AGTTTTCATATGTATAGAGTGAACCACTGCTCGCTGCAATCAAGTTGTGTCTCCAG	2519	APPLICANT: Roy, Margaret Ann
QY	1560	AAGCAACGAGACATTTCTTCATATAATGGAACAGATTCATATAGGACCCATTCTG	1619	APPLICANT: Stewart, Timothy A.
Db	2520	AAGCAACGAGACATTTCTTCATATAATGGAACAGATTCATATAGGACCCATTCTG	2579	APPLICANT: Tumas, Daniel
QY	1620	TCTGAAAGGATCGAAGTGCAGTGGCAATTCAGGATTTTCAGATGAACACATCGGGA	1679	APPLICANT: Williams, P. Mickey
Db	2580	TCTGAAAGGATCGAAGTGCAGTGGCAATTCAGGATTTTCAGATGAACACATCGGGA	2639	APPLICANT: Wood, William, I.
QY	1680	AGAACTCCAAACAGAGCTTTCAACAGTGTGCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1739	TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Db	2640	AGAACTCCAAACAGAGCTTTCAACAGTGTGCTCTCTCTCTCTCTCTCTCTCTCTCTCT	2699	TITLE OF INVENTION: Acids Encoding the Same
QY	1740	GAATGTGTGACTGTAGCGCAATCACAGTGGGCAATTTGTAAATCAACGGGCACTA	1799	FILE REFERENCE: 10466-14
Db	2700	GAATGTGTGACTGTAGCGCAATCACAGTGGGCAATTTGTAAATCAACGGGCACTA	2759	CURRENT APPLICATION NUMBER: US/09/906,838
QY	1800	CAATACAGAGCTGAGAACTTAACTAAGTGTGCTTCAACCTTAACTAGTGGAGATGTTT	1859	CURRENT FILING DATE: 2001-07-16
Db	2760	CAATACAGAGCTGAGAACTTAACTAAGTGTGCTTCAACCTTAACTAGTGGAGATGTTT	2819	PRIOR FILING DATE: 2000-09-18
QY	1860	CTCCAGGATGCCAAGGAAATGCTACCTGCTGGCTTACACATATTTATGAATAAATGAGAA	1919	PRIOR APPLICATION NUMBER: PCT/US00/04414
Db	2820	CTCCAGGATGCCAAGGAAATGCTACCTGCTGGCTTACACATATTTATGAATAAATGAGAA	2879	PRIOR FILING DATE: 2000-02-22
QY	1920	GGGCTGAAAGTGACACAGAGCTGTGATGCAAAAAA	1957	PRIOR APPLICATION NUMBER: US 60/143,048
Db	2880	GGGCTGAAAGTGACACAGAGCTGTGATGCAAAAAA	2917	PRIOR FILING DATE: 1999-07-07
RESULT 10				PRIOR APPLICATION NUMBER: US 60/145,698
US-09-906-838-189				PRIOR FILING DATE: 1999-07-26
; Sequence 189, Application US/09906838				PRIOR APPLICATION NUMBER: US 60/146,222
; Publication No. US20030027143A1				PRIOR FILING DATE: 1999-07-28
; GENERAL INFORMATION:				PRIOR APPLICATION NUMBER: PCT/US99/20594
; APPLICANT: Genentech, Inc.				PRIOR FILING DATE: 1999-09-08
; APPLICANT: Ashkenazi, Avi				PRIOR APPLICATION NUMBER: PCT/US99/20944
				PRIOR FILING DATE: 1999-09-13
				PRIOR APPLICATION NUMBER: PCT/US99/21090
				PRIOR FILING DATE: 1999-09-15
				PRIOR APPLICATION NUMBER: PCT/US99/21547
				PRIOR FILING DATE: 1999-09-15
				PRIOR APPLICATION NUMBER: PCT/US99/23089
				PRIOR FILING DATE: 1999-10-05
				PRIOR APPLICATION NUMBER: PCT/US99/28214
				PRIOR FILING DATE: 1999-11-29
				PRIOR APPLICATION NUMBER: PCT/US99/28313
				PRIOR FILING DATE: 1999-11-30
				PRIOR APPLICATION NUMBER: PCT/US99/28564
				PRIOR FILING DATE: 1999-12-02
				PRIOR APPLICATION NUMBER: PCT/US99/28565
				PRIOR FILING DATE: 1999-12-02
				PRIOR APPLICATION NUMBER: PCT/US99/30095
				PRIOR FILING DATE: 1999-12-16
				PRIOR APPLICATION NUMBER: PCT/US99/30911
				PRIOR FILING DATE: 1999-12-20
				PRIOR APPLICATION NUMBER: PCT/US99/30999
				PRIOR FILING DATE: 1999-12-20
				PRIOR APPLICATION NUMBER: PCT/US00/00219
				PRIOR FILING DATE: 2000-01-05
				NUMBER OF SEQ ID NOS: 423
				SEQ ID NO 189
				LENGTH: 2917
				TYPE: DNA
				ORGANISM: Homo Sapien
				US-09-906-838-189
				Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
				Best Local Similarity 99.9%; Pred. No. 0;

APPLICANT: Filvaroff, Ellen
 APPLICANT: Fong, Sherman
 APPLICANT: Gao, Wei-Qiang
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, A.
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, Christopher J.
 APPLICANT: Gurney, Austin L.
 APPLICANT: Hillan, Kenneth J.
 APPLICANT: Kijavin, Ivar J.
 APPLICANT: Mather, Jennie P.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: 10466-14
 CURRENT APPLICATION NUMBER: US/09/907,613
 CURRENT FILING DATE: 2001-07-17
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: 2000-02-22
 PRIOR APPLICATION NUMBER: US 60/143,048
 PRIOR FILING DATE: 1999-07-07
 PRIOR APPLICATION NUMBER: US 60/145,698
 PRIOR FILING DATE: 1999-07-26
 PRIOR APPLICATION NUMBER: US 60/146,222
 PRIOR FILING DATE: 1999-07-28
 PRIOR APPLICATION NUMBER: PCT/US99/20594
 PRIOR FILING DATE: 1999-09-08
 PRIOR APPLICATION NUMBER: PCT/US99/20944
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/21547
 PRIOR FILING DATE: 1999-09-15
 PRIOR APPLICATION NUMBER: PCT/US99/23089
 PRIOR FILING DATE: 1999-10-05
 PRIOR APPLICATION NUMBER: PCT/US99/28214
 PRIOR FILING DATE: 1999-11-29
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: 1999-11-30
 PRIOR APPLICATION NUMBER: PCT/US99/28564
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/28565
 PRIOR FILING DATE: 1999-12-02
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: 1999-12-16
 PRIOR APPLICATION NUMBER: PCT/US99/30911
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US99/30999
 PRIOR FILING DATE: 1999-12-20
 PRIOR APPLICATION NUMBER: PCT/US00/00219
 PRIOR FILING DATE: 2000-01-05
 NUMBER OF SEQ ID NOS: 423
 SEQ ID NO 189
 LENGTH: 2917
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-907-613-189
 Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
 QY 1 CAAATGGAGCTGTGAAGAGGCTCATGCCATGACCCCTCTTAATCTCTCTCTGTTGGC 60
 Db 960 CAAATGGAGCTGTGAAGAGGCTCATGCCATGACCCCTCTTAATCTCTCTCTGTTGGC 1019

61 GGA-CTGACAAATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGTGGGGTGC 119
 1020 GGAGCTGACAAATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGTGGGGTGC 1079
 120 CAATATGGCAGAGACCCAGAAAGCCATGATCTCTGCAACTCAATCCCGAGTGAAGTGCAC 179
 1080 CAATATGGCAGAGACCCAGAAAGCCATGATCTCTGCAACTCAATCCCGAGTGAAGTGCAC 1139
 180 CTGACAAATAGAAGACCAGAAAAAACAAGCATCAGAATATCTTTTCTATGTCAGCT 239
 1140 CTGACAAATAGAAGACCAGAAAAAACAAGCATCAGAATATCTTTTCTATGTCAGCT 1199
 240 TGATCCAGATGAAGCTGTGAAAGTGAACATTAAGTCTTTGACGCACTCCAGCAA 299
 1200 TGATCCAGATGAAGCTGTGAAAGTGAACATTAAGTCTTTGACGCACTCCAGCAA 1259
 300 TGGGCTCTCTAGGCAAGTCTGCAGTAAAAACGACTATGTTCTGTATTTGAATCATC 359
 1260 TGGGCTCTCTAGGCAAGTCTGCAGTAAAAACGACTATGTTCTGTATTTGAATCATC 1319
 360 ATCCAGTACATGACGTTTCAATAGTACTGACTGACGCAAGATTCAGAGAACTCAAGAACTGCTT 419
 1320 ATCCAGTACATGACGTTTCAATAGTACTGACTGACGCAAGATTCAGAGAACTGCTT 1379
 420 TGTCTTCTACTACTTCTTCTCTCTAACTCTTATTTCCAACTGTGGCGGTTTACCTGGA 479
 1380 TGTCTTCTACTACTTCTTCTCTCTAACTCTTATTTCCAACTGTGGCGGTTTACCTGGA 1439
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 1440 TACCTTGAAGGATCTTACCAGCCCAATTACCAGCCCAAGCCGATCTGAGTGGGTTA 1499
 540 TTGTGTGGCACAATACAGTGGGAGAAAGATTACAAGTAAATCAAACTTCAAGAGAT 599
 1500 TTGTGTGGCACAATACAGTGGGAGAAAGATTACAAGTAAATCAAACTTCAAGAGAT 1559
 600 TTCTCTAGAAATAGACAAACAGTGCAGAAATTTGATTTTCTGCCATCTATGATGCCCTC 659
 1560 TTCTCTAGAAATAGACAAACAGTGCAGAAATTTGATTTTCTGCCATCTATGATGCCCTC 1619
 660 CACCAACTCTGGCTGTGAGCAAGTCTGTGGCGGTGTGACTCCCACTTCAAGTCTGCT 719
 1620 CACCAACTCTGGCTGTGAGCAAGTCTGTGGCGGTGTGACTCCCACTTCAAGTCTGCT 1679
 720 ATCAAACTCTGACTGCTGTGTTGTTCTACAGATTTATGCCAATTTCTTACCGGGATTTTC 779
 1680 ATCAAACTCTGACTGCTGTGTTGTTCTACAGATTTATGCCAATTTCTTACCGGGATTTTC 1739
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 900 TAACTTGAACATAAAGACCAACTTGCAGCAAAATTTATCAATTTGTTGGAAATTTTC 959
 1860 TAACTTGAACATAAAGACCAACTTGCAGCAAAATTTATCAATTTGTTGGAAATTTTC 1919
 960 TGTCCCTCTTAATGATGTGTAACAATCAGAAAGTGAAGATCAGTCAATTTACTTACAC 1019
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 1980 CAATATAATCACTTTTCTGCACTCTCACTCTGAGTGTATCCCTGAGGATCCCGTCAGAACT 2039
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 2040 CCAGATTTATGTAAGTGTGAATGGACATTAATTTCTACAGTGGAGATAATATACATAAC 2099
 1140 AGAAGATGATTAATAAAGTCAAAATGCACTGGGCAATATTAACACCCAGCATGGCTCT 1199

Db 2100 AGAAGATGATGTAATACAAAGTCACAAATGCACTGGGCAATATAACACACGATGGCTCT 2159
Qy 1200 TTTTGAATCCAAATCTTTGAAAGAACTATACCTTGAATCACCATATATATGTTGATTTGAA 1259
Db 2160 TTTTGAATCCAAATCTTTGAAAGAACTATACCTTGAATCACCATATATATGTTGATTTGAA 2219
Qy 1260 CCAAACTCTTTTGTCAAGTATAGTCTGCAACCTCAGATCCAAATTTGTTGGTGTCTTCT 1319
Db 2220 CCAAACTCTTTTGTCAAGTATAGTCTGCAACCTCAGATCCAAATTTGTTGGTGTCTTCT 2279
Qy 1320 TGATACCTGATAGAGCTCTCCACCTCTGATTTGATCTCCAACTGACCTGACCTATCA 1379
Db 2280 TGATACCTGATAGAGCTCTCCACCTCTGATTTGATCTCCAACTGACCTGACCTATCA 2339
Qy 1380 GAGTGGATGATGCGAGATGAATCTTTGATGATGATGATGATGATGATGATGATGATGAT 1439
Db 2340 GAGTGGATGATGCGAGATGAATCTTTGATGATGATGATGATGATGATGATGATGATGAT 2399
Qy 1440 ATTCCAGTTTAATGCTTTTAAATCTTTGAGAGATGATGATGATGATGATGATGATGATGAT 1499
Db 2400 ATTCCAGTTTAATGCTTTTAAATCTTTGAGAGATGATGATGATGATGATGATGATGATGAT 2459
Qy 1500 AGTTTTCATATGATAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1559
Db 2460 AGTTTTCATATGATAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2519
Qy 1560 AAGCAACGAGACATTTCTTCATATATATGATGATGATGATGATGATGATGATGATGATGAT 1619
Db 2520 AAGCAACGAGACATTTCTTCATATATATGATGATGATGATGATGATGATGATGATGATGAT 2579
Qy 1620 TCTGAAAGGATGCAAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 1679
Db 2580 TCTGAAAGGATGCAAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 2639
Qy 1680 AGAACTCCAAACAGAGCTTTTCAAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 1739
Db 2640 AGAACTCCAAACAGAGCTTTTCAAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 2699
Qy 1740 GAATGCTGCTAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 1799
Db 2700 GAATGCTGCTAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 2759
Qy 1800 CAAATACCAAGCTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 1859
Db 2760 CAAATACCAAGCTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 2819
Qy 1860 CTCAGATGCCAAGGAATGCTTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1919
Db 2820 CTCAGATGCCAAGGAATGCTTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2879
Qy 1920 GGGCTGAAAGTGCACACAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1957
Db 2880 GGGCTGAAAGTGCACACAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2917

RESULT 12

US-09-907-942-189
; Sequence 189, Application US/09907942
; Publication No. US20030027146A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary B.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin I.
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,942
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
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; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
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; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-942-189
Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
Qy 1 CAAATGAGCTTGTGAAAGCTCATGCGCATTCACCTCTTAATTCCTCTCTGTTTGGC 60
Db 960 CAAATGAGCTTGTGAAAGCTCATGCGCATTCACCTCTTAATTCCTCTCTGTTTGGC 1019
Qy 61 GGA-CTGACAAATGGCGAGGCTGAAGCAATGCAAGTGCACAGTCTAGTCTAGGGGTGC 119
Db 1020 GGAAGCTGACAAATGGCGAGGCTGAAGCAATGCAAGTGCACAGTCTAGTCTAGGGGTGC 1079
Qy 120 CAAATGAGCAAGCCCAAGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAATGCAAT 179

Dd	1080	CAATAATGGCAGAGACCCACAAGGCCATGATCTCGAACATCAATCCCATGTGAGAATGCAC	1139
Qy	180	CTGGACAATAGAAAGACCAAGAAAACAAAAGCATCAGAAATTATCTTTTTCATATGTCAGACT	239
Dd	1140	CTGGACAATAGAAAGACCAAGAAAACAAAAGCATCAGAAATTATCTTTTTCATATGTCAGACT	1199
Qy	240	TGATCCAGATGGGAAGCTGTGAAGTGAAAGTGAACAATTAAGTCTTTGACGGAACTCCAGCAA	299
Dd	1200	TGATCCAGATGGGAAGCTGTGAAGTGAAACATTAAGTCTTTGACGGAACTCCAGCAA	1259
Qy	300	TGGGCTCTCTTAGGCGCAAGCTGTGCAGTAAAAACGACTATGTTCTCTGTATTTGAATCATC	359
Dd	1260	TGGGCTCTCTTAGGCGCAAGCTGTGCAGTAAAAACGACTATGTTCTCTGTATTTGAATCATC	1319
Qy	360	ATCCAGTACATGACGGTTTCAAAATAGTTACTGACTCAGCGAAGATTCAAAGAACTGTCTT	419
Dd	1320	ATCCAGTACATGACGGTTTCAAAATAGTTACTGACTCAGCGAAGATTCAAAGAACTGTCTT	1379
Qy	420	TGTTCTTCTACTCTCTCTCTCTCAACTCTCTATTCCAAACTGTGGCGGTTACCCTGGA	479
Dd	1380	TGTTCTTCTACTCTCTCTCTCTCAACTCTCTATTCCAAACTGTGGCGGTTACCCTGGA	1439
Qy	480	TACOTTGGGAAGGATCTTTCCACGCCCCCAATTACCCAAAGCCGATCTCTGAGCTGGCTTA	539
Dd	1440	TACOTTGGGAAGGATCTTTCCACGCCCCCAATTACCCAAAGCCGATCTCTGAGCTGGCTTA	1499
Qy	540	TTGTGTCTGGCACATACAAGTGGGAAGGATTAACAGATAAACTTAACTTCCAAAGAGAT	599
Dd	1500	TTGTGTCTGGCACATACAAGTGGGAAGGATTAACAGATAAACTTAACTTCCAAAGAGAT	1559
Qy	600	TTTTCTAGAAATAGACAAAACAGTGCCAATTTGATTTTCTTGCCATCTATGATGCCCTC	659
Dd	1560	TTTTCTAGAAATAGACAAAACAGTGCCAATTTGATTTTCTTGCCATCTATGATGCCCTC	1619
Qy	660	CACCAACTCTGGCCCTGATTGGACAAGTCTGTGGCCGTGTCACTCCACCTTCCAAATGCGC	719
Dd	1620	CACCAACTCTGGCCCTGATTGGACAAGTCTGTGGCCGTGTCACTCCACCTTCCAAATGCGC	1679
Qy	720	ATCAAACTCTCTGACTGTGGTGTTGTTCTACAGATTATGCCAAATCTTTACCGGGATTTTC	779
Dd	1680	ATCAAACTCTCTGACTGTGGTGTTGTTCTACAGATTATGCCAAATCTTTACCGGGATTTTC	1739
Qy	780	TGCTTCTTACACCTCAATTTATGAGAAAACATCAACTACATCTTTAACTTTGCTCTTC	839
Dd	1740	TGCTTCTTACACCTCAATTTATGAGAAAACATCAACTACATCTTTAACTTTGCTCTTC	1799
Qy	840	TGACAGGATGAGAGTTATTAAGCAATCTCTACTAGAGCTTTTAACTCTAATGGGAA	899
Dd	1800	TGACAGGATGAGAGTTATTAAGCAATCTCTACTAGAGCTTTTAACTCTAATGGGAA	1859
Qy	900	TAACTTGCACCTAAAGACCCAACTTGACAGACCAAAATTTCAAAATGTGTGGAATTTTC	959
Dd	1860	TAACTTGCACCTAAAGACCCAACTTGACAGACCAAAATTTCAAAATGTGTGGAATTTTC	1919
Qy	960	TGTCCCTCTTAATGGATGTGTCAATCAGAAAGGTGAAGATCAGTCAATTTACTTACAC	1019
Dd	1920	TGTCCCTCTTAATGGATGTGTCAATCAGAAAGGTGAAGATCAGTCAATTTACTTACAC	1979
Qy	1020	CAATATAATCACCTTTTCTGCAATCCTCAACTCTTGAAGTGTACCCGTCAGAAACAACT	1079
Dd	1980	CAATATAATCACCTTTTCTGCAATCCTCAACTCTTGAAGTGTACCCGTCAGAAACAACT	2039
Qy	1080	CCAGATTATTTGGAAGTGGAAATGGGACATAATTTCTACAGTGGAGATAATATACATAAC	1139
Dd	2040	CCAGATTATTTGGAAGTGGAAATGGGACATAATTTCTACGTGGAGATAATATACATAAC	2099
Qy	1140	AGAGATGATGTAAATACAAAGTCAAAATGCACTGGGCAAAATATAACACCGCATGGCTCT	1199
Dd	2100	AGAGATGATGTAAATACAAAGTCAAAATGCACTGGGCAAAATATAACACCGCATGGCTCT	2159
Qy	1200	TTTTGAATCCAAATCATTTGAAAAGCACTATATCTTGAATCAACATATTATGTGGATTTGAA	1259
Dd	2160	TTTTGAATCCAAATCATTTGAAAAGCACTATATCTTGAATCAACATATTATGTGGATTTGAA	2219

RESULT 13
US-09-904-859-189
Sequence 189, Application US/09904859
Publication No. US20030036060A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Garber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie B.

/ CURRENT APPLICATION NUMBER: US/09/904,820
 / CURRENT FILING DATE: 2001-07-13
 / PRIOR APPLICATION NUMBER: 09/665,350
 / PRIOR FILING DATE: 2000-09-18
 / PRIOR APPLICATION NUMBER: PCT/US00/04414
 / PRIOR FILING DATE: 2000-02-22
 / PRIOR APPLICATION NUMBER: US 60/143,048
 / PRIOR FILING DATE: 1999-07-07
 / PRIOR APPLICATION NUMBER: US 60/145,698
 / PRIOR FILING DATE: 1999-07-26
 / PRIOR APPLICATION NUMBER: US 60/146,222
 / PRIOR FILING DATE: 1999-07-28
 / PRIOR APPLICATION NUMBER: PCT/US99/20594
 / PRIOR FILING DATE: 1999-09-08
 / PRIOR APPLICATION NUMBER: PCT/US99/20944
 / PRIOR FILING DATE: 1999-09-13
 / PRIOR APPLICATION NUMBER: PCT/US99/21090
 / PRIOR FILING DATE: 1999-09-15
 / PRIOR APPLICATION NUMBER: PCT/US99/21547
 / PRIOR FILING DATE: 1999-09-15
 / PRIOR APPLICATION NUMBER: PCT/US99/23089
 / PRIOR FILING DATE: 1999-10-05
 / PRIOR APPLICATION NUMBER: PCT/US99/28214
 / PRIOR FILING DATE: 1999-11-29
 / PRIOR APPLICATION NUMBER: PCT/US99/28313
 / PRIOR FILING DATE: 1999-11-30
 / PRIOR APPLICATION NUMBER: PCT/US99/28564
 / PRIOR FILING DATE: 1999-12-02
 / PRIOR APPLICATION NUMBER: PCT/US99/28565
 / PRIOR FILING DATE: 1999-12-02
 / PRIOR APPLICATION NUMBER: PCT/US99/30095
 / PRIOR FILING DATE: 1999-12-16
 / PRIOR APPLICATION NUMBER: PCT/US99/30911
 / PRIOR FILING DATE: 1999-12-20
 / PRIOR APPLICATION NUMBER: PCT/US99/30999
 / PRIOR FILING DATE: 1999-12-20
 / PRIOR APPLICATION NUMBER: PCT/US00/00219
 / PRIOR FILING DATE: 2000-01-05
 / NUMBER OF SEQ ID NOS: 423
 / SEQ ID NO 189
 / LENGTH: 2917
 / TYPE: DNA
 / ORGANISM: Homo Sapien
 / US-09-904-820-189

Query Match 98.9%; Score 1944.4; DB 10; Length 2917;
 Best Local Similarity 99.9%; Pred No. 0;
 Matches 1956; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY	1	CAAAATGGAGCTGTGAAGAGGCTCATGCCATGGACCTCTTAATTCCTCTGTTTGGC	60
DB	960	CAAAATGGAGCTGTGAAGAGGCTCATGCCATGGACCTCTTAATTCCTCTGTTTGGC	1019
QY	61	GGA-CTGCAATGGCGGCGCTGAAGCAATGCAGCTGCAGCTCAGTCTAGGGGGTGC	1119
DB	1020	GGAGCTGCAATGGCGGCGCTGAAGCAATGCAGCTGCAGCTCAGTCTAGGGGGTGC	1079
QY	120	CAATATGGCAGAGACCCACAAAGCCCATGCTCCCAACTCAATCCCACTGAGAACTGCAC	179
DB	1080	CAATATGGCAGAGACCCACAAAGCCCATGCTCCCAACTCAATCCCACTGAGAACTGCAC	1139
QY	180	CTGGCAATAGAAAGACCGAAGAAACCAAGCATCAGATATATCTTTCTATGTCAGCT	239
DB	1140	CTGGCAATAGAAAGACCGAAGAAACCAAGCATCAGATATATCTTTCTATGTCAGCT	1199
QY	240	TGATCCAGATGGAGCTGTGAAGTGAAAGTGAAACATTAAGTCTTTGACGGAACTCCAGCAA	299
DB	1200	TGATCCAGATGGAGCTGTGAAGTGAAAGTGAAACATTAAGTCTTTGACGGAACTCCAGCAA	1259
QY	300	TGGGCTCTGCTAGGCGAAGCTGTGAGTAAAGACGACTATGTTCTGATTTGAATCATC	359
DB	1260	TGGGCTCTGCTAGGCGAAGCTGTGAGTAAAGACGACTATGTTCTGATTTGAATCATC	1319

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Db      ||||| 2400 ATCCAGTTTAATGCCCTTTAAATCTTGAGAAATATGAGCTCTGTGTATCTGCAGTGTA 2459
Qy      ||||| 1500 AGTTTGTATATGTATAGCAGTGACCACTGCTCGCTGCAATCAAGGTTGTCTCCAG 1559
Db      ||||| 2460 AGTTTGTATATGTATAGCAGTGACCACTGCTCGCTGCAATCAAGGTTGTCTCCAG 2519
Qy      ||||| 1560 AAGCAACGAGACATTTCTTCATATAAATGAAACAGATTCCATCATAGGACCCATTGG 1619
Db      ||||| 2520 AAGCAACGAGACATTTCTTCATATAAATGAAACAGATTCCATCATAGGACCCATTGG 2579
Qy      ||||| 1620 TCTGAAGAGGATCGAAGTGCAGTGGCAATTCAGGATTTTCAGCATGAACACATGCGGA 1679
Db      ||||| 2580 TCTGAAGAGGATCGAAGTGCAGTGGCAATTCAGGATTTTCAGCATGAACACATGCGGA 2639
Qy      ||||| 1680 AGAACTCCAAACAGACCTTTCAACAGTGTGCATCTGTTTTCTTCATGTTCTAGCTCT 1739
Db      ||||| 2640 AGAACTCCAAACAGACCTTTCAACAGTGTGCATCTGTTTTCTTCATGTTCTAGCTCT 2699
Qy      ||||| 1740 GAATGTGTGACTGTAGGCAATTCACAGTGAAGCATTGTAAATCAACGGGCAGACTA 1799
Db      ||||| 2700 GAATGTGTGACTGTAGGCAATTCACAGTGAAGCATTGTAAATCAACGGGCAGACTA 2759
Qy      ||||| 1800 CAAATACCAAGCTGCAGAACTATTAACTAAACAGGTCCAAACCTAAGTGAGACATGTTT 1859
Db      ||||| 2760 CAATACCAAGCTGCAGAACTATTAACTAAACAGGTCCAAACCTAAGTGAGACATGTTT 2819
Qy      ||||| 1860 CTCAGGATGCCAAGGAAATGCTACCTCGTGGCTACACATATTATGAATAAATGAGGAA 1919
Db      ||||| 2820 CTCAGGATGCCAAGGAAATGCTACCTCGTGGCTACACATATTATGAATAAATGAGGAA 2879
Qy      ||||| 1920 GGGCTGAAAGTGACACACAGGCTGCTGCAAAAA 1957
Db      ||||| 2880 GGGCTGAAAGTGACACACAGGCTGCTGCAAAAA 2917
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Search completed: February 18, 2004, 14:04:58
Job time : 662.37 secs

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	1245.4	71.6	1249	4	US-09-495-050A-187	Sequence 187, Appl	
2	185.2	10.6	7228	3	US-09-009-913-1	Sequence 1, Appl	
3	184.4	10.6	90341	4	US-09-759-359A-3	Sequence 3, Appl	
4	182.8	10.5	148567	4	US-09-801-876B-3	Sequence 3, Appl	
5	182.8	10.5	148567	4	US-10-254-869-3	Sequence 3, Appl	
6	181.6	10.4	14581	4	US-08-520-373D-4	Sequence 4, Appl	
7	181.6	10.4	22481	4	US-08-367-841A-43	Sequence 43, Appl	
8	181.6	10.4	22481	5	PCR-US95-07201-43	Sequence 43, Appl	
9	181.6	10.4	22484	4	US-09-875-223-2	Sequence 2, Appl	
10	181.6	10.4	22484	4	US-09-875-114-2	Sequence 2, Appl	
11	181.6	10.4	202001	4	US-09-734-674-3	Sequence 3, Appl	
12	179	10.3	4736	4	US-09-526-193A-15	Sequence 15, Appl	
13	178.4	10.3	43950	4	US-09-735-934A-3	Sequence 3, Appl	
14	178.4	10.3	43950	4	US-10-060-332-3	Sequence 3, Appl	
15	178.2	10.2	63588	4	US-09-873-404-3	Sequence 3, Appl	
16	178.2	10.2	66804	4	US-09-740-041-3	Sequence 3, Appl	
17	178	10.2	74962	4	US-09-685-853A-3	Sequence 3, Appl	
18	177.2	10.2	20303	1	US-08-370-975B-6	Sequence 6, Appl	
19	177.2	10.2	26764	1	US-08-370-975B-1	Sequence 1, Appl	
20	175.6	10.1	32654	4	US-09-801-191A-3	Sequence 3, Appl	
21	175	10.1	7052	4	US-09-526-193A-22	Sequence 22, Appl	
22	174.4	10.0	99500	4	US-09-798-096-10	Sequence 10, Appl	
23	174.2	10.0	118067	4	US-09-497-855A-32	Sequence 32, Appl	
24	174	10.0	392000	4	US-10-027-983-11	Sequence 11, Appl	
25	173.2	10.0	70000	4	US-09-851-896-3	Sequence 3, Appl	
26	173	9.9	1854	4	US-09-620-312D-992	Sequence 992, App	
27	173	9.9	16063	4	US-09-801-052-3	Sequence 3, Appl	

301 GAAACACCAACCTTGATCTCTCTGAAGACTCTTCTGCTCATGTGATGAAGCC 360
802 CCAGAGATTCAAGTGTGGTTTCTGGGGTTGGGCCCATCACAGATCAAGTTTGGGCTT 861
361 CCAGAGATTCAAGTGTGGTTTCTGGGGTTGGGCCCATCACAGATCAAGTTTGGGCTT 420
862 TAAGGAGGCCCTCCCTGACCTGAGTGGGCTCCAGGACAGTCTCAGCTGACTGAGTGA 921
421 TAAGGAGGCCCTCCCTGACCTGAGTGGGCTCCAGGACAGTCTCAGCTGACTGAGTGA 480
922 CAGGTGGCTGCTCAAGTCTTCATCAGTGGGCCAGCAATGATGAGTGTCCAGTGGGCC 981
481 CAGGTGGCTGCTCAAGTCTTCATCAGTGGGCCAGCAATGATGAGTGTCCAGTGGGCC 540
982 CGATTGCTGACAGACATCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1041
541 CCATTGCTGACAGACATCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 600
1042 ACCCTGCTCTCATTTAGGTTCCTGCGGCTCTGAATCTGAAATCCCAAAATGACCAT 1101
601 ACCCTGCTCTCATTTAGGTTCCTGCGGCTCTGAATCTGAAATCCCAAAATGACCAT 660
1102 TCCTCTATCCATCTCCATGCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1161
661 TCCTCTATCCATCTCCATGCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
1162 CTTGCTTTACTGACTTCGAAATCTCTACCCAGCTTTCAAAATTCATACCACTGGAATC 1221
721 CTTGCTTTACTGACTTCGAAATCTCTACCCAGCTTTCAAAATTCATACCACTGGAATC 780
1222 CTTCCCTGACTTACCAAGAGACTCAGATGAGCTTCTCTGCTGCTGCTGCTGCTGCT 1281
781 CTTCCCTGACTTACCAAGAGACTCAGATGAGCTTCTCTGCTGCTGCTGCTGCTGCT 840
1282 ACATACCTCTGCTGATCTTTATCATATTAAGTATAATAAACTGTTGATGTTGGTG 1341
841 ACATACCTCTGCTGATCTTTATCATATTAAGTATAATAAACTGTTGATGTTGGTG 900
1342 TTTACAAAGACCAAGAAATCTCTATCGGCCAGTCCATGCTTATTTACTTCACTTGA 1401
901 TTTACAAAGACCAAGAAATCTCTATCGGCCAGTCCATGCTTATTTACTTCACTTGA 960
1402 ATGACCTTAGCATTTGAGAGCTGGTTGTAAGTGGCTCATGCTGTTATCCCAACAGT 1461
961 ATGACCTTAGCATTTGAGAGCTGGTTGTAAGTGGCTCATGCTGTTATCCCAACAGT 1020
1462 TTGGAGGCTGAGCGCGCAGATCGCTTGAAGTGGCTGAGGTTGAAACAGCTGGCCAT 1521
1021 TTGGAGGCTGAGCGCGCAGATCGCTTGAAGTGGCTGAGGTTGAAACAGCTGGCCAT 1080
1522 ATGGCAAAACCCCATCTTTATAAAATACAGAAATAGCCAGGTTGGTGGCTCATGCT 1581
1081 ATGGCAAAACCCCATCTTTATAAAATACAGAAATAGCCAGGTTGGTGGCTCATGCT 1140
1582 GTAATCCCATGCTGTAATCCAGCTTGGAGCTGAGGAGAGATCACTTGAATCC 1641
1141 GTAATCCCGTGCCTGTAATCCAGCTTGGAGCTGAGGAGAGATCACTTGAATCC 1200
1642 AGGAGGAGAGGTTGACGTGAGTCACTGAGATTCGACACTGCACTCCAG 1688
1201 AGGAGGAGAGGTTGACGTGAGTCACTGAGATTCGACACTGCACTCCAG 1247

RESULT 2
US-09-009-913-1/c
; Sequence 1, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axyx Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Bozicevic & Reed, LLP
STREET: 285 Hamilton Ave, Suite 200
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/009,913
FILING DATE: 21-JAN-1998
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: SEQ-4P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-327-3231
TELEFAX: 650-327-3231
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 72928 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
US-09-009-913-1
Query Match 10.6%; Score 185.2; DB 3; Length 72928;
Best Local Similarity 81.7%; Pred. No. 1.7e-47;
Matches 255; Conservative 0; Mismatches 43; Indels 14; Gaps 3;
QY 1429 GGTAAAGTGGCTCATGCTGTATATCCCAACAGTTTGGGAGGCTGAGCGCGCAGATCGCT 1488
DB 38946 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 38887
QY 1489 TGAGTCAAGAGTTTGAACAGCTGGCCATATGCAAAACCCCATCTTTA-TAAAA 1547
DB 38886 TGAGTCAAGAGTTTGAACAGCTGGCCATATGCAAAACCCCATCTTTA-TAAAA 38827
QY 1548 TACAGAAATTAGCCAGGTTGGTGGCTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1607
DB 38826 TATAAACTTAGCCAGGCTGGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 38779
QY 1608 TTGGAGGCTGAGGAGAGATCACTTGAATCCAGGAGGAGGTTGCACTGAACTGA 1667
DB 38778 TTGGAGGCTGAGGAGAGATCACTTGAATCCAGGAGGAGGTTGCACTGAACTGA 38719
QY 1668 GATTGGACCTGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGCTGCTGCTGCTGCT 1727
DB 38718 GATACACATTTGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGCTGCTGCTGCTGCT 38660
QY 1728 AAAAAA 1739
DB 38659 AAAAAA 38648
RESULT 3
US-09-759-359A-3/c
; Sequence 3, Application US/09759359A
; Patent No. 6492153
; GENERAL INFORMATION:
; APPLICANT: ABU-THREIDEH, Jane et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF


```

US-08-520-373D-4/c
; Sequence 4, Application US/08520373D
; Patent No. 6451763
; GENERAL INFORMATION:
; APPLICANT: Tombran-Tink, Joyce
; APPLICANT: Steele, Fintan R
; APPLICANT: Chader, Gerald J
; APPLICANT: Becerra, Sofia P
; APPLICANT: Johnson, Lincoln V
; APPLICANT: Rodriguez, Ignacio R
; TITLE OF INVENTION: RETINAL PIGMENTED EPITHELIUM DERIVED NEUROTROPIC FACTOR
; FILE REFERENCE: 2026-4203US1
; CURRENT APPLICATION NUMBER: US/08/520,373D
; CURRENT FILING DATE: 1995-08-29
; PRIOR APPLICATION NUMBER: 08/377,710
; PRIOR FILING DATE: 1995-01-25
; PRIOR APPLICATION NUMBER: 08/279,979
; PRIOR FILING DATE: 1994-07-25
; PRIOR APPLICATION NUMBER: 07/894,215
; PRIOR FILING DATE: 1992-06-04
; PRIOR APPLICATION NUMBER: 07/952,796
; PRIOR FILING DATE: 1992-09-24
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 14581
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; OTHER INFORMATION: mRNA: 6683; EXON: 6683-6790; EXON 11584-11675;
; OTHER INFORMATION: EXON: 14539-14581; INTRON: 6791-11583; INTRON:
; OTHER INFORMATION: 11676-14538; CDS: 11584-11675; 14539-14580
US-08-520-373D-4

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Query Match	10.4%;	Score 181.6;	DB 4;	Length 14581;
Best Local Similarity	81.1%;	Pred. No. 8.2e-47;		
Matches 253;	Conservative 0;	Mismatches 44;	Indels 15;	Gaps 3;

QY	1429	GGTAAAGTGGCTCATGCTGTAATCCCAACAGTTTGGAGGCTGAGCGCGGAGATCGCT	1488
DB	9815	GGCGAGTGGGCTCAAACTGTAATCCAGACATTTGAGCGCGAGCGGGTAGTACCC	9756
QY	1489	TGAGGTGAGGAGTTTGAAAACCCAGGCTGGCCAATATGGCAAAACCCCATCTTTA-TAAAAA	1547
DB	9755	TGAGGTGAGGAGTTTGAACCATCTTGGCCAACATGGAGAAACCCCATCTTACTATAAAA	9696
QY	1548	TACAGAAATTAGCAGGTGTGGTGGCTCATGCGCTGTATTCCTATGCCCTGTAAATCCCGACGC	1607
DB	9695	TACAAAAATTAGCGGGGTGTGGTGGCGCATGCGCTGTAAATCCCA-----GCTAC	9648
QY	1508	TTGGGAGGCTGAGCAGGAGAAATCACTTGTAATCCAGGAGGCGAGAGTTGCAGTCAACTGA	1667
DB	9647	TTGGGAGGCTTAAGCGAGGAGAAATCACTTGAATCCAGGAAGTTGGAGTTTGCAGTGAAGTTGA	9588
QY	1668	GATTGGACCACTGCACTCCAGCTCGGCGCAACACTGAGCAAAACTGCCTGTGCTGAAAAAA	1727
DB	9587	GATCGGCGCACTGCACTCCAGCTCGGCGCAACA--GAGCAAGACTCCATCTCAAAAAAAA	9530
QY	1728	AAAAAAAAAAAAA	1739
DB	9529	AAAAAAAAAGGAAA	9518

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US-08-367-841A-43/C
; Sequence 43, Application US/08367841A
; Patent No 6319567
; GENERAL INFORMATION:
; APPLICANT: Gerald J.; Rodriguez,
; APPLICANT: Ignacio R.; Mazuruk, Krzysztof;
; APPLICANT: Tombran-Tink, Joyce
; TITLE OF INVENTION: PIGMENT EPITHELIUM

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TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
 TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PDF GENOME
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Morgan & Finnegan
 STREET: 345 Park Avenue
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy Disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WORDPERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/367,841A
 FILING DATE: 30-DEC-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/257,963
 FILING DATE: 07-JUN-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/952,796
 FILING DATE: 24-SEP-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: DOROTHY R. AUTH
 REGISTRATION NUMBER: 36434
 REFERENCE/DOCKET NUMBER: 20264126US2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 758-4800
 TELEFAX: (212) 751-6849
 INFORMATION FOR SEQ ID NO: 43:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 22481 Base Pairs
 TYPE: Nucleic Acid
 STRANDEDNESS: Double
 TOPOLOGY: Unknown
 MOLECULE TYPE: Genomic DNA
 FEATURE:
 NAME/KEY: Pl-147
 LOCATION:
 IDENTIFICATION METHOD:
 OTHER INFORMATION: full length genomic
 OTHER INFORMATION: sequence for PDF plus flanking sequences
 US-08-367-841A-43

Query Match	10.4%	Score 181.6	DB 4	Length 22481
Best Local Similarity	81.1%	Pred. NO. 1.1e-46		
Matches 253	Conservative 0	Mismatches 44	Indels 15	Gaps 3
QY	1429	GTTAAAGTGGCTCATGCTCTAATCCACAGTTTGGGAGGCTGAGCGCGGCAGATCGCT	1488	
DB	9804	GGCGCAGTGGCTCAAACTGTATCCAGCATTTTGAGGCGCCGAGCGGGTAGATCACC	9745	
QY	1489	TGAGGTCAGGAGTTTGAAACCGAGCTGGCGCAATATGGCAAAACCCCATCTTTA-TAAAAA	1547	
DB	9744	TGAGGTCAGGAGTTTGAGACCATCTCTGGCCAACTGGAGAAACCCCATCTTCTCTAAAAA	9695	
QY	1548	TACAGAAATTAGCCAGAGTGTTGGGTGCTCATGCTGTAAATCCCATGCTGTAAATCCAGCC	1607	
DB	9684	TACAAAAATTAGCCGGGTGTGGTGGCGCATGCTGTATCCCA-----GCTAC	9637	
QY	1608	TTGGGAGGCTCAGCGCAGGAGAAATCATTTGAAATCCAGGAGCGAGGTTGCAGTGACTGA	1667	
DB	9636	TTGGGAGGCTTAAGCGCAGGAGAAATCATTTGAAATCCAGAAATGCGAGTTGCAGTGAGCTGA	9577	
QY	1668	GATTGGACCATCTGCACATCCAGCCTGGCACAACACTGAGCAAAAATGCTGTCTCGTGAAAAAA	1727	
DB	9576	GATCGCGGCATGCACTCCAGGCTGGGCAACA--GAGCAAGACTCCATCTCAAAAAAAA	9519	
QY	1728	AAAAAAAAAAAAAA	1739	

Db 9518 AAAAAAGGAAA 9507

RESULT 8

PCT-US95-07201-43/c
; Sequence 43, Application PC/TUS9507201
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Becerra, Sofia
; APPLICANT: Patricia; Schwartz, Joan P.;
; APPLICANT: Taniwaki, Takayuki
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; STREET: 345 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07201
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/367,841
; FILING DATE: 30-DEC-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/257,963
; FILING DATE: 07-JUN-1994
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/952,796
; FILING DATE: 24-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36434
; REFERENCE/DOCKET NUMBER: 20264126PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22481 Base Pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Double
; TOPOLOGY: Unknown
; MOLECULE TYPE: Genomic DNA
; FEATURE:
; NAME/KEY: PL-147
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: full length genomic
; OTHER INFORMATION: sequence for PEDF plus flanking sequences.
PCT-US95-07201-43
Query Match 10.4%; Score 181.6; DB 5; Length 22481;
Best Local Similarity 81.1%; Pred. No. 1.le-46;
Matches 253; Conservative 0; Mismatches 44; Indels 15; Gaps 3;

Qy 1429 GGTAAGTGGCTCATGCTGTAATCCCAACAGTTTGGAGGCTGAGCGCGGAGATCGCT 1488
Db 9804 GGCCAGTGGCTCAAACTGTAATCCCGACACTTTGAGAGCGCGAGCGGAGATCACC 9745
Qy 1489 TGAGGTGAGGAGTTTGAACCCAGCTGCGCAATATGCGCAAAACCCCATCTTTA-TAAAAA 1547
Db 9744 TGAGGTGAGGAGTTTGAACCCATCTCTGCGCAACATGCGCAAAACCCCATCTCTACTAAAAA 9685

Qy 1548 TACAGAAATTAGCCAGGTGTGGTGGTCTATGCTGTAATCCCATGCTGTAATCCAGCC 1607
Db 9684 TACAGAAATTAGCCGGGTGTGGTGGCGCATGCTGTAATCCCA-----GCTAC 9637
Qy 1608 TTGGAGGCTGAGGAGGAGAAATCACTTGAATCCAGAGGAGGAGGTTGAGTGAATGA 1667
Db 9636 TTGGAGGCTTAAAGCAGGAGAAATCACTTGAATCCAGAGGAGGAGGTTGAGTGAATGA 9577
Qy 1668 GATTGAGACCACTGCACCTCCAGCTGCGGCAACACTGAGCAAAACTGCTGTGCGTGAATAA 1727
Db 9576 GATCGCGCACTGCACCTCCAGCTGCGGCAACA--GAGCAAGACTCCCATCTCAAAAAA 9519
Qy 1728 AAAAAAAGGAAA 1739
Db 9518 AAAAAAAGGAAA 9507

RESULT 9

US-09-875-223-2/c
; Sequence 2, Application US/09875223
; Patent No. 6391850
; GENERAL INFORMATION:
; APPLICANT: No. 6391850western University
; APPLICANT: No. 63918501 Bouck
; APPLICANT: David Dawson
; APPLICANT: Paul Gillis
; TITLE OF INVENTION: Methods and Compositions for Inhibiting Angiogenesis
; FILE REFERENCE: 0290-23U3
; CURRENT APPLICATION NUMBER: US/09/875,223
; CURRENT FILING DATE: 2001-06-06
; PRIORITY APPLICATION NUMBER: US 09/122,079
; PRIORITY FILING DATE: 1998-07-23
; PRIORITY APPLICATION NUMBER: PCT/US98/15228
; PRIORITY FILING DATE: 1998-07-23
; PRIORITY APPLICATION NUMBER: US 08/899,304
; PRIORITY FILING DATE: 1997-07-23
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 22484
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: 1...22484
; OTHER INFORMATION: "n" means either a, c, t, or g
US-09-875-223-2

Query Match 10.4%; Score 181.6; DB 4; Length 22484;
Best Local Similarity 81.1%; Pred. No. 1.le-46;
Matches 253; Conservative 0; Mismatches 44; Indels 15; Gaps 3;
Qy 1429 GGTAAGTGGCTCATGCTGTAATCCCAACAGTTTGGAGGCTGAGCGCGGAGATCGCT 1488
Db 9804 GGCCAGTGGCTCAAACTGTAATCCCGACACTTTGAGAGCGCGAGCGGAGATCACC 9745
Qy 1489 TGAGGTGAGGAGTTTGAACCCAGCTGCGCAATATGCGCAAAACCCCATCTTTA-TAAAAA 1547
Db 9744 TGAGGTGAGGAGTTTGAACCCATCTCTGCGCAACATGCGCAAAACCCCATCTCTACTAAAAA 9685
Qy 1548 TACAGAAATTAGCCAGGTGTGGTGGTCTATGCTGTAATCCCATGCTGTAATCCAGCC 1607
Db 9684 TACAGAAATTAGCCGGGTGTGGTGGCGCATGCTGTAATCCCA-----GCTAC 9637
Qy 1608 TTGGAGGCTGAGGAGGAGAAATCACTTGAATCCAGAGGAGGAGGTTGAGTGAATGA 1667
Db 9636 TTGGAGGCTTAAAGCAGGAGAAATCACTTGAATCCAGAGGAGGAGGTTGAGTGAATGA 9577
Qy 1668 GATTGAGACCACTGCACCTCCAGCTGCGGCAACACTGAGCAAAACTGCTGTGCGTGAATAA 1727
Db 9576 GATCGCGCACTGCACCTCCAGCTGCGGCAACA--GAGCAAGACTCCCATCTCAAAAAA 9519
Qy 1728 AAAAAAAGGAAA 1739

Query Match 10.3%; Score 179; DB 4; Length 4736;
Best Local Similarity 75.7%; Pred. No. 2.6e-46;
Matches 240; Conservative 0; Mismatches 65; Indels 12; Gaps 1;

QY 1423 GTGGTTGGTAAAGTGGCTCATGCTGTATATCCACAGTTTGGAGGCTGAGCGCGGAG 1482
DB 1772 GTGGCTGGCGCAGTGGCTCTGCTGTATATCCAGAACTTTGCGAGGCGAAGCGAGCGG 1713
QY 1483 ATGCTTTGAGGTCAGGAGTTTGAACACAGCTGGCCAAATATGGCAAAACCCCATCTTTAT 1542
DB 1712 ATCACTGAGTTCAGGAGTTTGAACACAGCTGGCCAAATATGGCAAAACCCCATCTTTAT 1653
QY 1543 AAAATACAGAAATACAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAG 1602
DB 1652 TAAAAATACAAATATACAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAG 1605
QY 1603 CAGCTTTGGAGGCTGAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAG 1662
DB 1604 GCTACTTTGGAGGCTGAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAG 1545
QY 1663 ACTGAGATTGGACACTGCACTCCAGCTGGGCAACACTGAGCAAAACTGCTGTGCTGGA 1722
DB 1544 GCTGAGATTGAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAGTTCAGGAG 1485
QY 1723 AAAAAAATAAAAAA 1739
DB 1484 AAAAAAATAAAAAA 1468

RESULT 13
US-09-735-934A-3/c
; Sequence 3, Application US/09735934A
; Patent No. 6372468
; GENERAL INFORMATION:
; APPLICANT: LI, JIAYIN et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000851
; CURRENT APPLICATION NUMBER: US/09/735, 934A
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 43950
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-735-934A-3

Query Match 10.3%; Score 178.4; DB 4; Length 43950;
Best Local Similarity 77.5%; Pred. No. 1.8e-45;
Matches 234; Conservative 0; Mismatches 56; Indels 12; Gaps 1;

QY 1430 GTAAAGTGGCTCATGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAGATCGCTT 1489
DB 12054 GCATGGTGGCTCAGCGCTGTATATCCAGCACTTTGGAGGCGCAAGCGCGGAGATCACTT 11995
QY 1490 GAGTTCAGGAGTTTGAACACAGCTGGCCAAATATGGCAAAACCCCATCTTTATAAATA 1549
DB 11994 GAGTTCAGGAGTTTGAACACAGCTGGCCAAATATGGCAAAACCCCATCTTTATAAATA 11935
QY 1550 CAGAAATTAGCAGGTTGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAGATCGCTT 1609
DB 11934 ACATAATTAGCAGGTTGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAGATCGCTT 11887
QY 1610 GGGAGGCTGAGGAGGAGATCACTTGAATCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1669
DB 11886 CGGAGGCTGAGGAGGAGATCACTTGAATCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 11827
QY 1670 TTGACCACTGCACTCCAGCTGGGCAACACTGAGCAAAACTGCTGTGCTGTAATAAAAAA 1729
DB 11826 TCAGCCCACTGCACTCCAGCTGGGCAACACTGAGCAAAACTGCTGTGCTGTAATAAAAAA 11767

QY 1730 AA 1731
DB 11766 GA 11765

RESULT 14
US-10-060-332-3/c
; Sequence 3, Application US/10060332
; Patent No. 6528294
; GENERAL INFORMATION:
; APPLICANT: LI, JIAYIN et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000851DIV
; CURRENT APPLICATION NUMBER: US/10/060,332
; CURRENT FILING DATE: 2002-02-01
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 43950
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-332-3

Query Match 10.3%; Score 178.4; DB 4; Length 43950;
Best Local Similarity 77.5%; Pred. No. 1.8e-45;
Matches 234; Conservative 0; Mismatches 56; Indels 12; Gaps 1;

QY 1430 GTAAAGTGGCTCATGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAGATCGCTT 1489
DB 12054 GCATGGTGGCTCAGCGCTGTATATCCAGCACTTTGGAGGCGCAAGCGCGGAGATCACTT 11995
QY 1490 GAGTTCAGGAGTTTGAACACAGCTGGCCAAATATGGCAAAACCCCATCTTTATAAATA 1549
DB 11994 GAGTTCAGGAGTTTGAACACAGCTGGCCAAATATGGCAAAACCCCATCTTTATAAATA 11935
QY 1550 CAGAAATTAGCAGGTTGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAGATCGCTT 1609
DB 11934 ACATAATTAGCAGGTTGCTGTATATCCCAAGTTTGGAGGCTGAGCGCGGAGATCGCTT 11887
QY 1610 GGGAGGCTGAGGAGGAGATCACTTGAATCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1669
DB 11886 CGGAGGCTGAGGAGGAGATCACTTGAATCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 11827
QY 1670 TTGACCACTGCACTCCAGCTGGGCAACACTGAGCAAAACTGCTGTGCTGTAATAAAAAA 1729
DB 11826 TCAGCCCACTGCACTCCAGCTGGGCAACACTGAGCAAAACTGCTGTGCTGTAATAAAAAA 11767

RESULT 15
US-09-873-404-3/c
; Sequence 3, Application US/09873404
; Patent No. 6500656
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001212-CIP
; CURRENT APPLICATION NUMBER: US/09/873,404
; CURRENT FILING DATE: 2001-06-05
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 63588
; TYPE: DNA
; ORGANISM: Human
; FEATURE:

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; NAME/KEY: misc feature
; LOCATION: (1)_(53588)
; OTHER INFORMATION: n = A,T,C or G
US-09-873-404-3

Query Match      10.2%; Score 178.2; DB 4; Length 63588;
Best Local Similarity 77.0%; Pred. No. 2.7e-45;
Matches 235; Conservative 0; Mismatches 58; Indels 12; Gaps 1;

QY 1429 GGTAAAGTGGCTCATGCTGTAATCCCAACAGCTTGGGAGGCTGAGCGCGCAGATCGCT 1488
Db 52178 GGCACAGTGGCTCACCTGTAATCCCAAGCTTGGGAGGCTGAGTGGTGAATCACC 52119

QY 1489 TGAGGTCAGGAGTTTGAACCAACAGCTGCGCCCAATATGGCAAAACCCCACTTTTATAAAAT 1548
Db 52118 TCAGTCCGGAGTTTCGAGACCAGCTGACCAACATGGTGAACCCCTGCTCTATTAAAAA 52059

QY 1549 ACAGAAATAGCCAGGTGTGGTGTGCTCATGCTGTATCCCATGCTGTATCCAGCCT 1608
Db 52058 TACAAAATTAGTCAGGCGTGGTGGCGCATGCTGTATCCCA-----GCTACT 52011

QY 1609 TGGGAGGCTGAGCGCAGGAGATCACTTGAATCCAGGAGCGAGGTTGCAGTGAACCTGAG 1668
Db 52010 TGGGAGGCTGAGCGCAGGAGATCACTTGAATCCAGGAGCGAGGTTGTGTTGAACCTGAG 51951

QY 1669 ATTGACCACTGCACTCCAGCTTGGGCAACACTGAGCAAACTGCCTGTGCTGNAAAAAA 1728
Db 51950 ATTGTGCCATTGCACTCCAGCTGGGCAACAAAGGCGGAACCTTGTCTCAAAAAA 51891

QY 1729 AAAA 1733
Db 51890 AAAGA 51886

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Job time : 130.748 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 18, 2004, 13:28:27 ; Search time 580.583 Seconds
(without alignments)
10488.348 Million cell updates/sec

Title: US-09-864-711-4
Perfect score: 1739
Sequence: 1 cccacggtccggggcgcgcatg.....tgaaaaaaaaaaaaaaaaaaaaa 1739

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2308684 seqs, 1750822206 residues 4617368

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:
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2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:
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6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:
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13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:
14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:
15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:
16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	1372	78.9	1420	9	US-09-872-153-9
3	1245.4	71.6	1249	14	US-10-313-542-187
C 4	402	23.1	402	14	US-10-060-036-3766
C 5	402	23.1	402	14	US-10-060-036-4049
C 6	192.6	11.1	2655	15	US-10-027-632-250936
C 7	192.6	11.1	2655	15	US-10-027-632-250937
C 8	192.6	11.1	2655	15	US-10-027-632-250938
C 9	192.6	11.1	2655	15	US-10-027-632-250939
C 10	190.8	11.0	108316	15	US-10-292-798-1789
C 11	190.8	11.0	108317	14	US-10-017-161-2143
C 12	189.4	10.9	35425	14	US-10-017-161-2429
C 13	189.4	10.9	35425	15	US-10-292-798-2069
C 14	187.6	10.8	1960	15	US-10-108-260A-1665
C 15	185.8	10.7	2049	15	US-10-027-632-99848

16	185.4	10.7	176001	16	US-10-210-556-27	Sequence 27, Appl
17	185.4	10.7	186739	16	US-10-210-556-19	Sequence 19, Appl
C 18	185.2	10.6	22111	16	US-10-212-993-11	Sequence 11, Appl
19	185.2	10.6	69770	15	US-10-292-798-1323	Sequence 1323, Ap
20	184.4	10.6	5197	9	US-09-860-670-248	Sequence 248, App
21	184.4	10.6	5197	15	US-10-227-646-248	Sequence 248, App
22	184.4	10.6	14426	9	US-09-860-670-249	Sequence 249, App
23	184.4	10.6	14426	9	US-09-860-670-252	Sequence 252, App
24	184.4	10.6	14426	15	US-10-227-646-249	Sequence 249, App
25	184.4	10.6	14426	15	US-10-227-646-252	Sequence 252, App
C 26	184.4	10.6	90541	9	US-09-759-359A-3	Sequence 3, Appli
C 27	184.4	10.6	90541	14	US-10-207-973-3	Sequence 3, Appli
28	184	10.6	2453	15	US-10-027-632-103082	Sequence 103082,
29	184	10.6	2453	15	US-10-027-632-103083	Sequence 103083,
30	184	10.6	2453	15	US-10-027-632-112196	Sequence 112196,
31	183.4	10.5	14448	9	US-09-860-670-250	Sequence 250, App
32	183.4	10.5	14448	15	US-10-227-646-250	Sequence 250, App
33	183.4	10.5	14451	9	US-09-860-670-253	Sequence 253, App
34	183.4	10.5	14451	15	US-10-227-646-253	Sequence 253, App
35	183.2	10.5	3058	15	US-10-027-632-114029	Sequence 114029,
36	183	10.5	1417	9	US-09-764-869-2150	Sequence 2150, Ap
37	183	10.5	1417	14	US-10-091-504-2150	Sequence 2150, Ap
38	183	10.5	1417	15	US-10-227-577-2150	Sequence 251, App
39	182.8	10.5	14417	9	US-09-860-670-251	Sequence 251, App
40	182.8	10.5	14417	15	US-10-227-646-251	Sequence 251, App
41	182.8	10.5	148567	9	US-09-801-876B-3	Sequence 3, Appli
42	182.8	10.5	148567	14	US-10-254-869-3	Sequence 3, Appli
C 43	182.6	10.5	556	15	US-10-027-632-128662	Sequence 128662,
C 44	182.6	10.5	29921	13	US-10-083-853-1	Sequence 1, Appli
C 45	182.2	10.5	541	15	US-10-027-632-228604	Sequence 228604,

ALIGNMENTS

RESULT 1

US-09-864-711-4
; Sequence 4, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 4
; LENGTH: 1739
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 888309CH1
US-09-864-711-4

Query Match	100.0%;	Score 1739;	DB 9;	Length 1739;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1739;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CCCACGGCTCCGGGGGATGACCTGAGGTCAAGGAAATGGGCTTCCAAATCCATTG	60	
Db	1	CCCACGGCTCCGGGGGATGACCTGAGGTCAAGGAAATGGGCTTCCAAATCCATTG	60	
Qy	61	CTGTAAAGCCAGTGGGTTTCAAGATAGGAGGAGGGTTGAGCAAAATTTCCAGGTCA	120	
Db	61	CTGTAAAGCCAGTGGGTTTCAAGATAGGAGGAGGGTTGAGCAAAATTTCCAGGTCA	120	
Qy	121	GCTGCTGGGCGGTGGCTCAGGAATGGTTCTGACATGGGAGGCTTGAACCTTGAGGGA	180	
Db	121	GCTGCTGGGCGGTGGCTCAGGAATGGTTCTGACATGGGAGGCTTGAACCTTGAGGGA	180	

193 AGATGATAATTTCTGCTAAATGTAGAGCTATGTTTTATAGCCACAGGGTCTTTCATGTCAG 252
Db
181 AGATGATAATTTCTGCTAAATGTAGAGCTATGTTTTATAGCCACAGGGTCTTTCATGTCAG 240
Qy
253 GGCATGGGAGAGCTTCTGGGAGAGTCACTACTGTCTCTGAGCGCTGAATATCCTCATC 312
Db
241 GGACATGGGAGAGCTTCTGGGAGAGTCACTACTGTCTCTGAGCGCTGAATATCCTCATC 300
Qy
313 TGTAAATAGGATAAGGTAATTAATATACCCACCATACAGGGCTATTGTGAGAACTAAA 372
Db
301 NNN 360
Qy
373 TCAGAGAGTCCAAATTTGGGAGAGCTCAGAGGTGATGAATTTCTGCTCCAGAGGTAAAG 432
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361 TCAGAGAGTCCAAATTTGGGAGAGCTCAGAGGTGATGAATTTCTGCTCCAGAGGTAAAG 420
Qy
433 CAAGCAGAGTGAATGTCCTCATGGGTAGGATGTCATAGACAAACAGACCTAAAGCCCTG 492
Db
421 CAAGCAGAGTGAATGTCCTCATGGGTAGGATGTCATAGACAAACAGACCTAAAGCCCTG 480
Qy
493 GACAGGGGATGGATGAGCTCCCACTGAGATTAATTTCCCTCCATCACTGAATCTTAACAA 552
Db
481 GACAGGGGATGGATGAGCTCCCACTGAGATTAATTTCCCTCCATCACTGAATCTTAACAA 540
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553 GGCCCTTGTATCTTGCTTTGGCAGAGCATGCTTCTCTGAGCAGACTCAAGTCCCT 612
Db
541 GGCCCTTGTATCTTGCTTTGGCAGAGCATGCTTCTCTGAGCAGACTCAAGTCCCT 600
Qy
613 ATGGAAGAGAGAGTGTCTAGGAGAGGAGCAAGAGAGGAGCATGACACATTTGGAAAAG 672
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601 ATGGAAGAGAGAGTGTCTAGGAGAGGAGCAAGAGAGGAGCATGACACATTTGGAAAAG 660
Qy
673 GAGCCAGAGTGAACAGGCGAGTCTAGATGTCGCCAGAGCAAGAGCCCTGGGAATG 732
Db
661 GAGCCAGAGTGAACAGGCGAGTCTAGATGTCGCCAGAGCAAGAGCCCTGGGAATG 720
Qy
733 AGGGGTAGGGAAACAAACAACTTGATCTCTTGAAGACTCTTCTGCTCATTTGAGTG 792
Db
721 AGGGGTAGGGAAACAAACAACTTGATCTCTTGAAGACTCTTCTGCTCATTTGAGTG 780
Qy
793 GATAGGCCCCAGAGATTCAGTGTGTTTTCTGGGGTTTTGGGCCCATCAGAGTCAGT 852
Db
781 GATAGGCCCCAGAGATTCAGTGTGTTTTCTGGGGTTTTGGGCCCATCAGAGTCAGT 840
Qy
853 TTTGGGCTTTAAGAGGCCCTCCCTGTACTGTGATGGGCTTCCAGAGAGTCTCAGCTGA 912
Db
841 TTTGGGCTTTAAGAGGCCCTCCCTGTACTGTGATGGGCTTCCAGAGAGTCTCAGCTGA 900
Qy
913 CTGAGTGAAGAGTGGCTCCCTCAAGTCTTTCATGAGTGGCCAGCAATGATGATGTC 972
Db
901 CTGAGTGAAGAGTGGCTCCCTCAAGTCTTTCATGAGTGGCCAGCAATGATGATGTC 960
Qy
973 CAGTGGGCCCATTTGCTTGCAGACACATCCCTCTGTGCTCTGACTTTCACTTCCATCTCC 1032
Db
961 CAGTGGGCCCATTTGCTTGCAGACACATCCCTCTGTGCTCTGACTTTCACTTCCATCTCC 1020
Qy
1033 TTTCTCCACACCCCTGCTCTCAATTTAGGTTCTTGCGCTCTGAATCTGAAATTCACAA 1092
Db
1021 TTTCTCCACACCCCTGCTCTCAATTTAGGTTCTTGCGCTCTGAATCTGAAATTCACAA 1080
Qy
1093 ATGACCAATTCCTCTATCCATCTCCATGCTTTGCTCTCTGCTTCCCTTAGCCCTGG 1152
Db
1081 ATGACCAATTCCTCTATCCATCTCCATGCTTTGCTCTCTGCTTCCCTTAGCCCTGG 1140
Qy
1153 ATGCGTTTCACTTGTCTTACTGACTTGAACAACTCTTACCCACGTTTCAAAATTCATACCA 1212
Db
1141 ATGCGTTTCACTTGTCTTACTGACTTGAACAACTCTTACCCACGTTTCAAAATTCATACCA 1200
Qy
1213 CTGTGAATTCCTCTGACTTCAACAGAGACTCAGATAGACCTTCTTCTGCTCTCCCC 1272
Db
1201 CTGTGAATTCCTCTGACTTCAACAGAGACTCAGATAGACCTTCTTCTGCTCTCCCC 1260

1273 TGATCTGTACATACCTCTGCTGTATCTTTATCATATTTGAAGTATAATAAACTGTGAT 1332
Db
1261 TGATCTGTACATACCTCTGCTGTATCTTTATCATATTTGAAGTATAATAAACTGTGAT 1320
Qy
1333 ATGTTGGTGTTTACACAGACCAAGAAATCTCTCATGGCCAAAGTCCATGCTTATTTACT 1392
Db
1321 ATGTTGGTGTTTACACAGACCAAGAAATCTCTCATGGCCAAAGTCCATGCTTATTTACT 1380
Qy
1393 TCATTTGAATGACCTAGCATTTTGAGAGGTGTTGGTA 1432
Db
1381 TCATTTGAATGACCTAGCATTTTGAGAGGTGTTGGTA 1420

RESULT 3
US-10-313-542-187
; Sequence 187, Application US/10313542
; Publication No. US20030120057A1
; GENERAL INFORMATION:
; APPLICANT: Roopa, Reddy
; APPLICANT: Guegler, Karl, J.
; APPLICANT: Au-Young, Janice
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATED I
; FILE REFERENCE: PA-0013 US
; CURRENT APPLICATION NUMBER: US/10/313,542
; PRIOR FILING DATE: 2002-12-05
; PRIOR APPLICATION NUMBER: US/09/495,050
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/118,318
; PRIOR FILING DATE: 1999-02-01
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 187
; LENGTH: 1249
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030120057A1 2085633CB1
US-10-313-542-187

Query Match 71.6%; Score 1245.4; DB 14; Length 1249;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1246; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 442 TGAGATGTCCATGGTAGGGATGTCTATAGACAAACAGACCTAAGCCTTGGACGGGA 501
Db 1 TCAGATGTCCCATGGTAGGGATGTCTATAGACAAACAGACCTAAGCCTTGGACGGGA 60
Qy 502 TGGATGAGCCTCCCACTGAGATTAATTTCCCTCCATCACTGAACCTTAAACAGGGCCCTTTG 561
Db 61 TGGATGAGCCTCCCACTGAGATTAATTTCCCTCCATCACTGAACCTTAAACAGGGCCCTTTG 120
Qy 562 ATCTTGGCTTTGGCAAGCATGCTTCTCTCAGACACTACAGTCCCTATGGAAGAG 621
Db 121 ATCTTGGCTTTGGCAAGCATGCTTCTCTCAGACACTACAGTCCCTATGGAAGAG 180
Qy 622 AGAGTGTCTAGGACAGACAGAGAGGAGCATGACATTTGAAAAACGGAGCCACAG 681
Db 181 AGAGTGTCTAGGACAGACAGAGAGGAGCATGACATTTGAAAAACGGAGCCACAG 240
Qy 682 TGTGAACAGGGCGATGCTTAGATGTGCCAGAGAGCACCTTGGGAAATGAGGGGTAGG 741
Db 241 TGTGAACAGGGCGATGCTTAGATGTGCCAGAGAGCACCTTGGGAAATGAGGGGTAGG 300
Qy 742 GAACACCAACMACTTGTATCTCTTGAAGCTTTTCTGCTCATTTGAGTGAATAAGGCC 801
Db 301 GAACACCAACMACTTGTATCTCTTGAAGCTTTTCTGCTCATTTGAGTGAATAAGGCC 360
Qy 802 CCAGAGATTCAGTGTGTTTTCTGGGTTTTGGGCCCATCAGAGTCAAGATTTTGGGCTT 861
Db 361 CCAGAGATTCAGTGTGTTTTCTGGGTTTTGGGCCCATCAGAGTCAAGATTTTGGGCTT 420
Qy 862 TAAGGAGGCCCTCCCTGTATCCTGTGATGGGCTTCCAGAGAGTCTCAGCTGAGTGAG 921


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Db 421 TAGGAGGCGCTCCCTGTACTGATGGGCTCCAGGACAGTCTCAGCTGACTGAGTGA 480
Qy 922 CAGTGGCGCTGCTCAAGTCTTCAATGAGGCGGACAGCAATGATGATGTCAGTGGGCC 981
Db 481 CAGTGGCGCTGCTCAAGTCTTCAATGAGGCGGACAGCAATGATGATGTCAGTGGGCC 540
Qy 982 CCATTGTTGAGACACATCCCTGTGCTCTGACTTTCAGTTCCTCCATCTCTCTCCAC 1041
Db 541 CCATTGTTGAGACACATCCCTGTGCTCTGACTTTCAGTTCCTCCATCTCTCTCCAC 600
Qy 1042 ACCCTGCTCTCATTTTAGTTCGCGCTCTGAATCTCTGAATTTCCAAATGACCAAT 1101
Db 601 ACCCTGCTCTCATTTTAGTTCGCGCTCTGAATCTCTGAATTTCCAAATGACCAAT 660
Qy 1102 TCCCTCTATCCATCTCCATGCTTTTGGCTCTCTGCTTCCCTTAGCTGGGATGCGTTCA 1161
Db 661 TCCCTCTATCCATCTCCATGCTTTTGGCTCTCTGCTTCCCTTAGCTGGGATGCGTTCA 720
Qy 1162 CTTCCTTTCATGACTTTCGAAATCTCTACCCAGCTTTCATTAATTTTCAACACTGTGATC 1221
Db 721 CTTCCTTTCATGACTTTCGAAATCTCTACCCAGCTTTCATTAATTTTCAACACTGTGATC 780
Qy 1222 CTTCCTTTCATGACTTTCGAAATCTCTACCCAGCTTTCATTAATTTTCAACACTGTGATC 1281
Db 781 CTTCCTTTCATGACTTTCGAAATCTCTACCCAGCTTTCATTAATTTTCAACACTGTGATC 840
Qy 1282 ACATACCTTCTGCTGTATCTTTATCATATGAAATTAATAAATGTTGATGTTGGTG 1341
Db 841 ACATACCTTCTGCTGTATCTTTATCATATGAAATTAATAAATGTTGATGTTGGTG 900
Qy 1342 TTTACAGAGACCAAGAAATCTCATGGCCCAAGTCCATGCTCTTATTTTACTTCATGTTGA 1401
Db 901 TTTACAGAGACCAAGAAATCTCATGGCCCAAGTCCATGCTCTTATTTTACTTCATGTTGA 960
Qy 1402 ATGCACCTAGCATTTGAGAAGTGTGTTGTTAAAGTGGTCAATGCTGTAAATCCCAAGT 1461
Db 961 ATGCACCTAGCATTTGAGAAGTGTGTTGTTAAAGTGGTCAATGCTGTAAATCCCAAGT 1020
Qy 1462 TTGGAGGCTGAGGCGGCGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1521
Db 1021 TTGGAGGCTGAGGCGGCGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT 1080
Qy 1522 ATGGCAAAACCCCATCTTTTATAAAATACAGAAATAGCCAGGTGTGGTGGTGGTGGTGGT 1581
Db 1081 ATGGCAAAACCCCATCTTTTATAAAATACAGAAATAGCCAGGTGTGGTGGTGGTGGTGGT 1140
Qy 1582 GTAATCCCATGCTGTATCCAGCTTGGAGGCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1641
Db 1141 GTAATCCCATGCTGTATCCAGCTTGGAGGCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1200
Qy 1642 AGGAGGAGGCTGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGT 1698
Db 1201 AGGAGGAGGCTGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGTGGAGT 1247

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RESULT 4
US-10-060-036-3766/c
; Sequence 3766, Application US/10060036
; Publication No. US20030073144A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Kalos, Michael J.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Persing, David H.
; APPLICANT: Hepler, William T.
; APPLICANT: Jiang, Yuqiu
; TITLE OF INVENTION: AND DIAGNOSIS OF PANCREATIC CANCER
; FILE REFERENCE: 210121.566
; CURRENT APPLICATION NUMBER: US/10/060,036
; NUMBER OF SEQ ID NOS: 4560

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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3766
; LENGTH: 402
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-036-3766

Query Match
Best Local Similarity 100.0%; Pred. No. 6.6e-119; Length 402;
Matches 402; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 880 ACCTGGATGGGCTCCAGGACAGTCTCAGCTGACTGAGTGGGCGGCTGCTCCCAAG 939
Db 402 ACCTGGATGGGCTCCAGGACAGTCTCAGCTGACTGAGTGGGCGGCTGCTCCCAAG 343
Qy 940 TCTTCATCAGTGGCGGACCAATGATGAGTGTCCAGTGGGCGGCTGCTCCCAAG 999
Db 342 TCTTCATCAGTGGCGGACCAATGATGAGTGTCCAGTGGGCGGCTGCTCCCAAG 283
Qy 1000 TCCCTCTGCTGCTGACTTTCACATTCCTGCTTCCCAACACCTGCTCTCATTTTGA 1059
Db 282 TCCCTCTGCTGCTGACTTTCACATTCCTGCTTCCCAACACCTGCTCTCATTTTGA 223
Qy 1060 GTTCTGCGGCTCTGAACTCTGAAATTCACAAATGCAATTCCTCTATCCATCTCC 1119
Db 222 GTTCTGCGGCTCTGAACTCTGAAATTCACAAATGCAATTCCTCTATCCATCTCC 163
Qy 1120 ATGCTTTTGGCTCTGCTGCTTCCCTTAGCTGGGATGCTTCACTTGTCTTACTGACTGC 1179
Db 162 ATGCTTTTGGCTCTGCTGCTTCCCTTAGCTGGGATGCTTCACTTGTCTTACTGACTGC 103
Qy 1180 AAAATCTCTACCCAGTTCCTGAAATTTTCAATCTGAAATTCCTTCCCTGACTTCCCAA 1239
Db 102 AAAATCTCTACCCAGTTCCTGAAATTTTCAATCTGAAATTCCTTCCCTGACTTCCCAA 43
Qy 1240 GAGACTCAGATAGACTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1281
Db 42 GAGACTCAGATAGACTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1

RESULT 5
US-10-060-036-4049/c
; Sequence 4049, Application US/10060036
; Publication No. US20030073144A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Kalos, Michael J.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Persing, David H.
; APPLICANT: Hepler, William T.
; APPLICANT: Jiang, Yuqiu
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.566
; CURRENT APPLICATION NUMBER: US/10/060,036
; NUMBER OF SEQ ID NOS: 4560
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4049
; LENGTH: 402
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-036-4049

Query Match
Best Local Similarity 100.0%; Pred. No. 6.6e-119; Length 402;
Matches 402; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 880 ACCTGGATGGGCTCCAGGACAGTCTCAGCTGACTGAGTGGGCGGCTGCTCCCAAG 939
Db 402 ACCTGGATGGGCTCCAGGACAGTCTCAGCTGACTGAGTGGGCGGCTGCTCCCAAG 343
Qy 940 TCTTCATCAGTGGCGGACCAATGATGAGTGTCCAGTGGGCGGCTGCTCCCAAG 999

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342	D _b	TCTTCTCATAGTGGCCGACCAAAATGATGAGTGTCCAGTGGGCCCAATTCCTTGCAGACCA	283
1000	Q _Y	TCCTCTGTGCTGTGACTTTCACTTCCATCTCCTTCTCCACACCCCTGCTCTCAATTTAG	1059
282	D _b	TCCCTCTGTGCTGTGACTTTCACTTCCATCTCCTTCTCCACACCCCTGCTCTCAATTTAG	223
1060	Q _Y	GTTCTGTGGCTCTGAACTCTGAAATTCACAAATGCACCAATTCCTCTATGCCCATCTCC	1119
222	D _b	GTTCTGTGGCTCTGAACTCTGAAATTCACAAATGCACCAATTCCTCTATGCCCATCTCC	163
1120	Q _Y	ATGCTTTTGTGCTCTCCCTGTTCCTTAGCTGGAGTGGTTCACTGCTTTACTGACATTTGC	1179
162	D _b	ATGCTTTTGTGCTCTCCCTGTTCCTTAGCTGGAGTGGTTCACTGCTTTACTGACATTTGC	103
1180	Q _Y	AA ¹ ACTCTCACCGACGTTTCAAATTTCAACACTGTGTAATCCTTCCCTGACTTCACAA	1239
102	D _b	AA ¹ ACTCTCACCGACGTTTCAAATTTCAACACTGTGTAATCCTTCCCTGACTTCACAA	43
1240	Q _Y	GAGACTCAGATAGACCTTCTTCTCTGCTCCCCCTGCATCTGT	1281
42	D _b	GAGACTCAGATAGACCTTCTTCTCTGCTCCCCCTGCATCTGT	1

```

RESULT 6
US-10-027-632-250936/c
; Sequence 250936, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250936
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-250936

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QY	1595	TGTAATCCAGCGCTTGGGAGGCTGAGGCAGAGAGATCACTTGAATCCAGGAGGCAGAGGT	1655
DB	1761	-----TTAGCTACTCAGGAAGCTGATCAGGAGAAATGGCTTTGAACCCAGGAGGCAGAGGT	1707
QY	1655	TGCAGTGAACCTCAGAGATTGACACATGCACTCCAGCGCTGGGCAACCACTGAGCAAAAACCTGCC	1714
DB	1706	TGCAGTGAAGCTGAGATTGTACCACTGCAAGCGCTGGGCAACACACAGGAGACTTTGTC	1647
QY	1715	TGTCGTGAAAAAATAAAAAAAAAAAAAA	1739
DB	1646	CCAAAAAATAAAAAAAAAAAAAA	1622

RESULT 7

US-10-027-632-250937/c

Sequence 250937, Application US/10027632

Publication No. US20030204075A9

GENERAL INFORMATION:

APPLICANT: Wang, David G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

TITLE OF INVENTION: Polymorphisms in the Human Genome

FILE REFERENCE: 108927.129

CURRENT APPLICATION NUMBER: US/10/027,632

PRIOR FILING DATE: 2002-04-30

PRIOR APPLICATION NUMBER: US 60/218,006

PRIOR FILING DATE: 2000-07-12

PRIOR APPLICATION NUMBER: US 60/198,676

PRIOR FILING DATE: 2000-04-20

PRIOR APPLICATION NUMBER: US 60/193,483

PRIOR FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: US 60/185,218

PRIOR FILING DATE: 2000-02-24

PRIOR APPLICATION NUMBER: US 60/167,363

PRIOR FILING DATE: 1999-11-23

PRIOR APPLICATION NUMBER: US 60/156,358

PRIOR FILING DATE: 1999-09-28

PRIOR APPLICATION NUMBER: US 60/146,002

PRIOR FILING DATE: 1999-08-09

NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 250937

LENGTH: 2655

TYPE: DNA

ORGANISM: Human

US-10-027-632-250937

Query Match

Best Local Similarity

Matches

258; Conservative

11.1%; Score 192.6; DB 15; Length 2655;

79.4%; Pred. No. 1.1e-50;

0; Mismatches 54; Indels 13; Gaps 2;

QY	1416	TGAGAGAGGTGGTTGGTAAAGTGGCTCATGCCCTGTATATCCACAGTTTGGAGGCTGAGG	1475
DB	1934	TGTTAAGAGGCTGGGCACAGTGGCTTACGCCCTGTATATCCAGCACTTTGGAGGCTGAGG	1875
QY	1476	CGGGCAGATCGCTTGAGGTACAGAGTTTGAACACCAAGCTGGGCCAATATGGCAAAACCCCA	1535
DB	1874	CAGGCAGATCCCTTGGCGTTCAGAGTTTGAACCAAGCTGGGCCAATATGTTAAACCCCA	1815
QY	1536	TCCTTTA-TAAAAATACAGAAATTAGCCAGGTGTGGTGTATGCTGTAAATCCCATGCC	1594
DB	1814	TCCTACTAAAAATACAAAATATTAGCCAGCGCTGTGGCGCATGCTGTAGTC-----	1762
QY	1595	TGTAATCCAGCGCTTGGGAGGCTGAGGCAGGAGATCACTTCGAATCCAGGAGGCAGAGGT	1654
DB	1761	-----TTAGCTACTCAGGAAGCTGATCAGGAGAAATGGCTTTGAACCCAGGAGGCAGAGGT	1707
QY	1655	TGCAGTGAACCTGAGATTGGACCACTGCACTCCAGCGCTGGGCAACCACTGAGCAAAAACCTGCC	1714
DB	1706	TGCAGTGAAGCTGAGATTGTACCACTGCAAGCGCTGGGCAACACACAGGAGACTTTGTC	1647
QY	1715	TGTCGTGAAAAAATAAAAAAAAAAAAAA	1739
DB	1646	CCAAAAAATAAAAAAAAAAAAAA	1622

RESULT 8
US-10-027-632-250938/c
; Sequence 250938, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250938
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250938

Query Match 11.1%; Score 192.6; DB 15; Length 2655;
Best Local Similarity 79.4%; Pred. No. 1.1e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;

QY 1416 TGAGAAGTGGTGTAAAGTGGCTCATGCTGTAAATCCCAACAGTTTGGGAGGCTGAGG 1475
DB 1934 TGTAAAGAGGCTGGGCACAGTGGCTTACGCCCTGTAAATCCCAACAGTTTGGGAGGCTGAGG 1875

QY 1476 CCGGCAGATCGCTTGAGGTGAGGATTTGAAACACAGCTGGCCCAATATGGCAAAACCCCA 1535
DB 1874 CAGGCAGATCCCTTCGGGTGAGGATTTGAGACCCAGCTGGCCCAATATGGTAAACCCCA 1815

QY 1536 TCTTTA-TAAATAACAGAAATAGCCAGGTGTGGTGGCTCATGCTGTAAATCCCAATGCC 1594
DB 1814 TCTTACTAAAAATACAAAATTAGCCAGGCGTGGTGGCGCATGCTGTAGTC----- 1762

QY 1595 TGTAATCCCGAGCTTGGGAGGCTGAGGCAGGAGATCACTTGAATCCAGGAGGAGAGGT 1654
DB 1761 -----TTAGCTACTCAGGAGCTGATGAGGAGATGGCTTGAACCCAGGAGGAGAGGT 1707

QY 1655 TGCAGTGAATGAGATTGACCACTGCACTCCAGCCTGGGCAACACTGAGCAAAACTGCC 1714
DB 1706 TGCAGTGAGTGAGATTGACCACTGCACTCCAGCCTGGGCAACACTGAGGAGACTTTGTC 1647

QY 1715 TGTCTGTAATAAAAAAAAAAAAAA 1739
DB 1646 CCAAAAAAAAAAAAAAAAAAAAAA 1622

RESULT 9
US-10-027-632-250939/c
; Sequence 250939, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 250939
; LENGTH: 2655
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-250939

Query Match 11.1%; Score 192.6; DB 15; Length 2655;
Best Local Similarity 79.4%; Pred. No. 1.1e-50;
Matches 258; Conservative 0; Mismatches 54; Indels 13; Gaps 2;

QY 1416 TGAGAAGTGGTGTAAAGTGGCTCATGCTGTAAATCCCAACAGTTTGGGAGGCTGAGG 1475
DB 1934 TGTAAAGAGGCTGGGCACAGTGGCTTACGCCCTGTAAATCCCAACAGTTTGGGAGGCTGAGG 1875

QY 1476 CCGGCAGATCGCTTGAGGTGAGGATTTGAAACACAGCTGGCCCAATATGGCAAAACCCCA 1535
DB 1874 CAGGCAGATCCCTTCGGGTGAGGATTTGAGACCCAGCTGGCCCAATATGGTAAACCCCA 1815

QY 1536 TCTTTA-TAAATAACAGAAATAGCCAGGTGTGGTGGCTCATGCTGTAAATCCCAATGCC 1594
DB 1814 TCTTACTAAAAATACAAAATTAGCCAGGCGTGGTGGCGCATGCTGTAGTC----- 1762

QY 1595 TGTAATCCCGAGCTTGGGAGGCTGAGGCAGGAGATCACTTGAATCCAGGAGGAGAGGT 1654
DB 1761 -----TTAGCTACTCAGGAGCTGATGAGGAGATGGCTTGAACCCAGGAGGAGAGGT 1707

QY 1655 TGCAGTGAATGAGATTGACCACTGCACTCCAGCCTGGGCAACACTGAGCAAAACTGCC 1714
DB 1706 TGCAGTGAGTGAGATTGACCACTGCACTCCAGCCTGGGCAACACTGAGGAGACTTTGTC 1647

QY 1715 TGTCTGTAATAAAAAAAAAAAAAA 1739
DB 1646 CCAAAAAAAAAAAAAAAAAAAAAA 1622

RESULT 10
US-10-292-798-1789/c
; Sequence 1789, Application US/10292798
; Publication No. US20030235833A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT APPLICATION NUMBER: US/10/292,798
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1789

LENGTH: 108316
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 LOCATION: source
 FEATURE:
 LOCATION: (1)..(108316)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (201)..(320)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (6586)..(6893)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (11403)..(11625)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (35649)..(35883)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (38436)..(38569)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (60383)..(60533)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (62136)..(62275)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (75449)..(75567)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (76611)..(76827)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (93827)..(93944)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (107990)..(108116)
 US-10-292-798-1789

Query Match
 Best Local Similarity 71.2%; Pred. No. 4.7e-49;
 Matches 285; Conservative 0; Mismatches 102; Indels 13; Gaps 2;

Qy 1340 TGTTTACAAAGACCAAGAAATCTCATGGGCCAAGTCCATGCTTATTCTTCTGTT 1399
 Db 107592 TGTATGCCACAGACCAAGAAATTTGACCAAGAACTTGCAGTTGAAGTCCAGCT 107533

Qy 1400 GAATGCACTAGCATTTGAGAAGTGGTTGGTAAAGTGGCTCATGCTGTAAATCCCAACA 1459
 Db 107532 GAGGCCCATAGCATGATTTAAGG-GCCAGGCACAGTGGCTCATGCTGTAAATCCAGCA 107474

Qy 1460 GTTTGGAGGCTAGGCCGCGAGATCGCTTGGAGTGAAGTTGAACACAGCTGGCCA 1519
 Db 107473 CTTTGAAGCCGAGGTGGGCGAGATCACTTGGGTGAGAGCTCAAGACCGAGCTGGCCA 107414

Qy 1520 ATATGGCAAAACCCATCTTTATAAAATACAGAAATTAGCAGGTGGTGGCTCATGC 1579
 Db 107413 ACATGGCAAAACCCATCTCTACTTAAATACAAATTAACAGGTGGTGGCTCATGC 107354

Qy 1580 CTGTAATCCCATGCTGTAAATCCAGCCTTGGAGGCTGAGGAGGAGATCACTTGAAT 1639
 Db 107354 CTGTAATCCCATGCTGTAAATCCAGCCTTGGAGGCTGAGGAGGAGATCACTTGAAT 1639

Db 107353 CTGTAATCCCA-----GCTACTCGGAGGCTGAGGAGGAAATCACTTGAAC 107306
 Qy 1640 CCAGGAGGAGAGGTTGCAGTGAACCTGAGATTGGACCACTGCACCTCCAGCCTGGCAACA 1699
 Db 107305 CTGGAGGAGAGAGGTTGCAGTGAACCTGAGATTGGACCACTGCACCTCCAGCCTGGCAACA 107246
 Qy 1700 CTGAGCAAAACTCCCTGCTGTGAAAAAAGAAAAAAGAAAAA 1739
 Db 107245 CAGTGAGATCTCTCTCAAAAAAAGAAAAAAGAAAAA 107206

RESULT 11
 US-10-017-161-2143/C
 ; Sequence 2143, Application US/10017161
 ; Publication No. US20030143686A1
 ; GENERAL INFORMATION:
 ; APPLICANT: SUWA, MAKIKO
 ; APPLICANT: ASAI, KIYOSHI
 ; APPLICANT: AKIYAMA, YUTAKA
 ; APPLICANT: ABURATANI, HIROYUKI
 ; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
 ; FILE REFERENCE: 084335/0152
 ; CURRENT APPLICATION NUMBER: US/10/017,161
 ; CURRENT FILING DATE: 2002-12-18
 ; PRIOR APPLICATION NUMBER: JP 2001/246789
 ; PRIOR FILING DATE: 2001-06-18
 ; NUMBER OF SEQ ID NOS: 2430
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2143
 ; LENGTH: 108317
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: source
 ; LOCATION: (1)..(108316)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (201)..(320)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (6586)..(6893)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (11403)..(11625)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (35649)..(35883)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (38436)..(38569)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (60383)..(60533)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (62136)..(62275)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (75449)..(75567)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (76611)..(76827)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (93827)..(93944)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (107990)..(108116)
 ; US-10-292-798-1789

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; LOCATION: (99913)..(100084)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107990)..(108116)
US-10-017-161-2143

Query Match      11.0%; Score 190.8; DB 14; Length 108317;
Best Local Similarity 71.2%; Pred. No. 4.7e-49;
Matches 285; Conservative

QY 1340 TGTATGACACAGCAAGAAATCTCATGGCCCAAGTCCATGCTTATTTACTTTCATGTT 1399
Db 107593 TGTATGACACAGCAAGAAATCTCATGGCCCAAGTCCATGCTTATTTACTTTCATGTT 107534
QY 1400 GAATGCACCTAGCATTTTGGAGAGTGGTGTGTAAGTGGTCTCATGCTTGAATCCCAACA 1459
Db 107533 GAGGCCCATAGCATGTTTAAAG-GCCAGGACAGTGGTCTCATGCTTGAATCCCAACA 107475
QY 1460 GTTGGGAGGCTAGGCCCGGAGATCGCTTGGAGTCAAGGTTTGAACCAAGCTGGCCA 1519
Db 107474 CTTTGGAAAGGCGAGGTGGGAGATCACTTGGAGTCAAGGCTCAAGACCAAGCTGGCCA 107415
QY 1520 ATATGGCAAAACCCCATCTTTATATAAATACAGAAATTAGCCAGTGTGGTCTCATGC 1579
Db 107414 ACATGGCGAAACCCCATCTTCTACTTAAATATACAAATTAGCCAGTGTGGTCTCATGC 107355
QY 1580 CTGTAATCCCATGCTGTAAATCCCGAGCTTGGAGGCTTGGAGGAGGAGATCACTTGAAT 1639
Db 107354 CTGTAATCCCA-----GCTACTCTGGGAGGCTTGGAGGAGGAGATCACTTGAAT 107307
QY 1640 CCAGGAGGAGGAGGTTGAGTGAATGAGATGAGACCACTGCTTCCAGGCTGGGCAACA 1699
Db 107306 CTGGGAGGAGGAGGTTGAGTGAATGAGATGAGACCACTGCTTCCAGGCTGGGCAACA 107247
QY 1700 CTGAGCAAACTGCTGTGCTGTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1739
Db 107246 CAGTGAGATCTGTCTCAAAAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 107207

RESULT 12
US-10-017-161-2429
; Sequence 2429, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/10/017,161
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2429
; LENGTH: 35425
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: source
; LOCATION: (1)..(35425)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (201)..(293)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21253)..(21367)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21462)..(21603)
; FEATURE:

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; NAME/KEY: CDS
; LOCATION: (23918)..(24055)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (26460)..(26597)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (26868)..(27016)
; NAME/KEY: modified base
; LOCATION: (35270)..(35425)
; OTHER INFORMATION: a, t, c, g, unknown or other
US-10-017-161-2429

Query Match      10.9%; Score 189.4; DB 14; Length 35425;
Best Local Similarity 74.2%; Pred. No. 6.5e-49;
Matches 271; Conservative

QY 1376 TCCATGCCCTTATTTACTTTCATGTTGAATGCACCTAGCATTTGAGAAGTGGTGGTAAAG 1435
Db 16431 TCCACACCTGTCTTAGTTTCACTTGTGTGCTATAAAGGAATACTGGGCTGGGTGCAG 16490
QY 1436 TGGCTCATGCTGTAAATCCCAACAGTTTGGAGGCTGAGGCCGAGATCGCTTGGAGTC 1495
Db 16491 TGGCTCAGCTGTAAATCCCAACAGTTTGGAGGCTGAGGCCGAGATCGCTTGGAGTC 16550
QY 1496 AGGAGTTTGAACCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1554
Db 16551 AGGAGTTTGAACCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 16610
QY 1555 ATTAGCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1614
Db 16611 GTTAGCCGGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 16658
QY 1615 GCTGAGGAGGAGGAGATCACTTGAATCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1674
Db 16659 GCTGAGGAGGAGGAGATCGCTTGAACCCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 16718
QY 1675 CCAGTGCATCCAGCTGGGCAACACTGAGCAAAACTGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1734
Db 16719 CCAGTGCATCCAGCTGGGCAACACTGAGCAAAACTGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 16778
QY 1735 AAAAA 1739
Db 16779 AAAAA 16783

RESULT 13
US-10-292-798-2069
; Sequence 2069, Application US/10292798
; Publication No. US2003023583A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
; FILE REFERENCE: 084335/166
; CURRENT FILING DATE: 2002-11-13
; CURRENT APPLICATION NUMBER: US/10/292,798
; PRIOR APPLICATION NUMBER: 10/017,161
; PRIOR FILING DATE: 2001-12-18
; PRIOR APPLICATION NUMBER: JP 2001-246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2070
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2069
; LENGTH: 35425
; TYPE: DNA
; ORGANISM: Homo sapiens

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FEATURE: source
FEATURE: (1)...(35425)
FEATURE: CDS
FEATURE: (201)...(293)
FEATURE: CDS
FEATURE: (21253)...(21367)
FEATURE: CDS
FEATURE: (21462)...(21603)
FEATURE: CDS
FEATURE: (23918)...(24055)
FEATURE: CDS
FEATURE: (26460)...(26597)
FEATURE: CDS
FEATURE: (26868)...(27016)
FEATURE: CDS
FEATURE: (35125)...(35225)
FEATURE: CDS
FEATURE: modified base
FEATURE: (35270)...(35369)
FEATURE: CDS
OTHER INFORMATION: a, t, c, g, unknown or other
US-10-292-798-2069

Query Match
Best Local Similarity 10.9%; Score 189.4; DB 15; Length 35425;
Matches 271; Conservative 0; Mismatches 81; Indels 13; Gaps 2;

QY 1376 TCCATGCTTATTTACTTCTGTTGTAATGACCTAGCATTTGAGAAGTGTGGTAAAG 1435
DB 16431 TCCACACTGCTTGTAGTTGCTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 16490

QY 1436 TGGCTCATGCTGTAATCCCAAGTTTGGAGGCTGAGCGCGAGATCGCTTGAGTTC 1495
DB 16491 TGGCTCATGCTGTAATCCCAAGTTTGGAGGCTGAGCGCGAGATCGCTTGAGTTC 16550

QY 1496 AGGAGTTTGAACACAGCTGCGCAATATGCAAAACCCCTCTTTA-TAAAAATACAGAA 1554
DB 16551 AGGAGTTTGAACACAGCTGCGCAATATGCAAAACCCCTCTTTA-TAAAAATACAGAA 16610

QY 1555 ATTAGCCAGGTGTGGTGTCTATGCTGTAATCCCATGCTGTATCCCGAGCTTGGAG 1614
DB 16611 GTTAGCCGGGTATGGTGGCAGCGCTGTATCCCA-TAAAAATACAGAA 16658

QY 1615 GCTGAGGAGGAGATCACTTGAATCCAGGAGGAGGTTGCACTGAACTGAGATTGGA 1674
DB 16659 GCTGAGGAGGAGATCACTTGAATCCAGGAGGAGGTTGCACTGAACTGAGATTGGA 16718

QY 1675 CCATGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGTGTTGTAATAAAAAA 1734
DB 16719 CCATGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGTGTTGTAATAAAAAA 16778

QY 1735 AAAAA 1739
DB 16779 AAAAA 16783

RESULT 14
US-10-108-260A-1665
Sequence 1665, Application US/10108260A
Publication No. US20040005560A1
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: NO. US20040005560A1 full length cDNA
FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/10/108,260A

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CURRENT FILING DATE: 2002-03-27
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1665
LENGTH: 1960
TYPE: DNA
ORGANISM: Homo sapiens
US-10-108-260A-1665

Query Match
Best Local Similarity 10.8%; Score 187.6; DB 15; Length 1960;
Matches 247; Conservative 0; Mismatches 44; Indels 13; Gaps 2;

QY 1435 GTGGCTCATGCTGTATCCCAAGTTTGGAGGCTGAGCGCGAGATCGCTTGAGGT 1494
DB 834 GTGGCTCATGCTGTATCCCAAGTTTGGAGGCTGAGCGCGAGATCGCTTGAGGT 893

QY 1495 CAGGAGTTTGAACACAGCTGCGCAATATGCAAAACCCCTCTTTA-TAAAAATACAGAA 1554
DB 894 CAGGAGTTTGAACACAGCTGCGCAATATGCAAAACCCCTCTTTA-TAAAAATACAGAA 953

QY 1555 ATTAGCCAGGTGTGGTGTCTATGCTGTAATCCCATGCTGTATCCCGAGCTTGGAG 1614
DB 954 ATTAGCCAGGTGTGGTGTCTATGCTGTAATCCCATGCTGTATCCCGAGCTTGGAG 1001

QY 1615 GCTGAGGAGGAGATCACTTGAATCCAGGAGGAGGTTGCACTGAACTGAGATTGGA 1674
DB 1002 GCTGAGGAGGAGATCACTTGAATCCAGGAGGAGGTTGCACTGAACTGAGATTGGA 1061

QY 1675 CCATGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGTGTTGTAATAAAAAA 1734
DB 1062 CCATGCACTCCAGCTGGGCAACACTGAGCAAACTGCTGTGTTGTAATAAAAAA 1120

QY 1735 AAAAA 1738
DB 1121 AAAAA 1124

RESULT 15
US-10-027-632-99848/c
Sequence 99848, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
POLYMORPHISMS IN THE HUMAN GENOME
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,006
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 99848
TYPE: DNA
LENGTH: 2049
ORGANISM: Human
US-10-027-632-99848

Query Match
Best Local Similarity 10.7%; Score 185.8; DB 15; Length 2049;
Matches 247; Conservative 0; Mismatches 44; Indels 13; Gaps 2;

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Matches 253; Conservative 0; Mismatches 57; Indels 13; Gaps 2;	
QY 1418	AGRAGGTGGTTGGTAAAGTGGCTCATGCTGTATCCCAACAGTTTGGGAGGCTGAGGCC 1477
Db	
QY 1761	AGAAGCGGCTGGATACAGAGACTTATGCTGTATCTTAGCATTGGGAGGCCAAGGCA 1702
Db	
QY 1478	GGCAGATCGCTTGAGGTGAGGTTTGAACCCAGCTGGCCAAATATGGCAAAACCCCATC 1537
Db	
QY 1701	GGCACATCACCTGAGGTGAGGTTTGAACCCAGCTGGCCAAATATGGCAAAACCCCATC 1642
Db	
QY 1538	TTTA-TAAAAATACAGAAATTAGCCAGGTGGTGGCTCATGCTGTATCCCATGCTG 1596
Db	
QY 1641	TCTATAAAAAATACAAAAATTAGTACAGCGGTGGCACATCCCTGTATCCCA----- 1588
Db	
QY 1597	TAATCCAGCCTTGGGAGGCTGAGCGAGGAAATCACTTGAATCCAGGAGGCGAGGTTG 1656
Db	
QY 1587	-----GCTACTTGGATGCTGAGCGAGGAAATTCCTTGAACCCAGGAGGCGAGGTTG 1534
Db	
QY 1657	CAGTGAATGAGATTGGACCACTGCCTCCAGCTGGCCACACTGAGCAAACTGCCTG 1716
Db	
QY 1533	CAGTGAATGAGATTGGACCACTGCCTCCAGCTGGCCACACTGAGCAAACTGCCTG 1474
Db	
QY 1717	TCGTGAAAAAATAAAAAA 1739
Db	
QY 1473	AAAAAATAAAAAAATAAAAAA 1451
Db	

Search completed: February 19, 2004, 14:05:02
Job time : 584.583 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 18, 2004, 13:28:27 ; Search time 96.3511 Seconds
(without alignments)
7798.602 Million cell updates/sec

Title: US-09-864-711-8
Perfect score: 1354
Sequence: 1 ggtgagccctctgtcgcat.....atagtcagtggtttcttcc 1354

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents.NA:*
- 1: /cgn2_6/ptodata/2/ina/5A COMB.seq.*
 - 2: /cgn2_6/ptodata/2/ina/5B COMB.seq.*
 - 3: /cgn2_6/ptodata/2/ina/6A COMB.seq.*
 - 4: /cgn2_6/ptodata/2/ina/6B COMB.seq.*
 - 5: /cgn2_6/ptodata/2/ina/PTUS COMB.seq.*
 - 6: /cgn2_6/ptodata/2/ina/backfileseq1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1354	100.0	1354	4	US-09-610-906-2
2	1213.6	88.6	1312	4	US-09-610-906-5
3	1213.6	89.6	1312	4	US-09-976-594-346
4	473.8	35.0	562	4	US-09-610-906-6
5	261	19.3	274	4	US-09-610-906-4
6	251.4	18.6	620	4	US-09-610-906-7
7	233	17.2	233	4	US-09-610-906-3
8	183.2	13.5	279	4	US-09-610-906-8
9	134.4	9.9	325	4	US-09-610-906-10
10	114.2	8.4	159	4	US-09-610-906-9
11	109.4	8.1	1193	4	US-09-372-422A-23
12	107.6	7.9	1158	4	US-09-372-422A-21
13	105.4	7.8	1153	4	US-09-372-422A-5
14	100	7.4	1015	4	US-09-372-422A-31
15	99.6	7.4	1081	4	US-09-372-422A-33
16	97.8	7.2	1408	1	US-08-447-554-3
17	97.8	7.2	1408	1	US-08-448-160-3
18	94.2	7.0	1100	4	US-09-372-422A-47
19	75.2	5.6	1087	4	US-09-372-422A-29
20	74.2	5.5	96	4	US-09-610-906-11
21	72.8	5.4	1176	4	US-09-372-422A-25
22	72.8	5.4	1302	4	US-09-372-422A-27
23	72.4	5.3	1485	4	US-09-372-422A-39
24	71.6	5.3	1375	4	US-09-372-422A-37
25	70	5.2	1340	1	US-08-468-763-16
26	70	5.2	1340	2	US-08-393-996A-16
27	69.2	5.1	1116	4	US-09-372-422A-41

28	67.2	5.0	938	3	US-08-654-025-1	Sequence 1, Appli
29	67.2	5.0	938	3	US-08-654-025-3	Sequence 3, Appli
30	61	4.5	1442	1	US-08-468-763-18	Sequence 18, Appli
31	61	4.5	1442	2	US-08-393-996A-18	Sequence 18, Appli
32	59.2	4.4	1333	4	US-09-372-422A-9	Sequence 9, Appli
33	58.6	4.3	3426	1	US-08-234-339-1	Sequence 1, Appli
34	58.6	4.3	3426	1	US-08-558-865-1	Sequence 1, Appli
35	58.6	4.3	3426	3	US-08-654-025-6	Sequence 6, Appli
36	50.8	3.8	1454	4	US-09-372-422A-19	Sequence 19, Appli
37	49.6	3.7	776	4	US-09-372-422A-43	Sequence 43, Appli
38	48	3.5	297	4	US-09-252-991A-5357	Sequence 5357, Ap
39	47.8	3.5	1384	4	US-09-372-422A-17	Sequence 17, Appli
40	47	3.5	1242	4	US-09-372-448A-3	Sequence 3, Appli
41	45.8	3.4	960	4	US-09-489-039A-2828	Sequence 2828, Ap
42	45.6	3.4	1026	4	US-09-252-991A-5186	Sequence 5186, Ap
43	45	3.3	714	4	US-09-252-991A-1104	Sequence 1104, Ap
44	45	3.3	759	4	US-09-252-991A-982	Sequence 982, App
45	45	3.3	1467	4	US-09-252-991A-1142	Sequence 1142, Ap

ALIGNMENTS

RESULT 1
US-09-610-906-2
; Sequence 2, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Invtce ID No. 6566066 2774542CB1
; PUBLICATION INFORMATION:
US-09-610-906-2

Query Match	100.0%	Score 1354;	DB 4;	Length 1354;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1354;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	GGTGAGCCCTCTGTCGGCATCTTCTCTCCAGGCTGGCAGACGAGGGGGGGTGTGAATT	60	
Db	1	GGTGAAGCCCTCTGTCGGCATCTTCTCTCCAGGCTGGCAGACGAGGGGGGGTGTGAATT	60	
QY	61	AATTCAGGTTGGGGGTGGGGGCTTCTATATCTGGAATTCCTCCACCCGCTGCTCT	120	
Db	61	AATTCAGGTTGGGGGTGGGGGCTTCTATATCTGGAATTCCTCCACCCGCTGCTCT	120	
QY	121	GTCCCTTTTCCCTACGCGAGATAGCCATGTGTGAGCTGAATTTGGCAATGACAGGCC	180	
Db	121	GTCCCTTTTCCCTACGCGAGATAGCCATGTGTGAGCTGAATTTGGCAATGACAGGCC	180	
QY	181	AGGAGCCGACGCTGGGTGGCAGGTGGGAGTGTCTTGTGACGAACCGTTTGTGACGCCA	240	
Db	181	AGGAGCCGACGCTGGGTGGCAGGTGGGAGTGTCTTGTGACGAACCGTTTGTGACGCCA	240	
QY	241	TGCTGTGTCGAACCTGCTGGGCTCTGCTCTCTTCTATCTTCATCGGGTCCCTGTGGTCATT	300	
Db	241	TGCTGTGTCGAACCTGCTGGGCTCTGCTCTCTTCTATCTTCATCGGGTCCCTGTGGTCATT	300	

301 GAGATGGGACGACCTGGCTGCTGAGCCGCGCTGGCCACCGGCTGGCTTTGGG 360
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301 GAGATGGGACGACCTGGCTGCTGAGCCGCGCTGGCCACCGGCTGGCTTTGGG 360
Qy
361 CTCGTGATGGACCGCTGGGGAATATAGTGGTGGACACTTCAACCTTGGGTGCTCCTG 420
Db
361 CTCGTGATGGACCGCTGGGGAATATAGTGGTGGACACTTCAACCTTGGGTGCTCCTG 420
Qy
421 CGAGCATGCTGATCGGAGGCTCAACCTGGTGTGCTTCCCGTACTGGGTCTCACAG 480
Db
421 CGAGCATGCTGATCGGAGGCTCAACCTGGTGTGCTTCCCGTACTGGGTCTCACAG 480
Qy
481 CTCGTGGGGGATGCTCGGGGCTCCCTTTGGGCAAGCGGTGATCTCTGAGAGAGTTTC 540
Db
481 CTCGTGGGGGATGCTCGGGGCTCCCTTTGGGCAAGCGGTGATCTCTGAGAGAGTTTC 540
Qy
541 TGGATGATCTGGGGGCGCTTTGTGACAGTCCAGAGAGCGGCGAGGTGGAGGGCG 600
Db
541 TGGATGATCTGGGGGCGCTTTGTGACAGTCCAGAGAGCGGCGAGGTGGAGGGCG 600
Qy
601 TTGGTGGCAGAGATCATCTGACGAGCTGTGGCCCTGGCTGTATGATGGGTGCCATC 660
Db
601 TTGGTGGCAGAGATCATCTGACGAGCTGTGGCCCTGGCTGTATGATGGGTGCCATC 660
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661 TATGAGAGACAAAGGCGCTCTGGCCGCTTCTCATCGGCTTTGCCGTCAACGTTGAT 720
Db
661 TATGAGAGACAAAGGCGCTCTGGCCGCTTCTCATCGGCTTTGCCGTCAACGTTGAT 720
Qy
721 ATCTGGCTGGGGGCGCTGTGTGAGAGCTGCATGAATCCGCGCGCTTTTGGACCT 780
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721 ATCTGGCTGGGGGCGCTGTGTGAGAGCTGCATGAATCCGCGCGCTTTTGGACCT 780
Qy
781 GCGTGGTGGCAACCACTGGAATCTCCACTGGATCTAGCTGGGCGGCTCCTGGCT 840
Db
781 GCGTGGTGGCAACCACTGGAATCTCCACTGGATCTAGCTGGGCGGCTCCTGGCT 840
Qy
841 GCGCTGTGTTGGATCTGCTATTAGTGTCTTATTGGAGTGGAGAACCGGCTCATC 900
Db
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Qy
901 CTGAGGCTCGTGAAGAGAGCTGTGGGATCTGCTGCTCCAGTGTCTCAGTCA 960
Db
901 CTGAGGCTCGTGAAGAGAGCTGTGGGATCTGCTGCTCCAGTGTCTCAGTCA 960
Qy
961 CCGTCCAGACTGAGGACAGGGAGTTCCTGATTTCTGCGAGGCGAGAGGCCAGAG 1020
Db
961 CCGTCCAGACTGAGGACAGGGAGTTCCTGATTTCTGCGAGGCGAGAGGCCAGAG 1020
Qy
1021 GAGGACCCCTGCTTCCACTGCTGGGCTGCTTCTCAGATAGACTGACTGTGAGGA 1080
Db
1021 GAGGACCCCTGCTTCCACTGCTGGGCTGCTTCTCAGATAGACTGACTGTGAGGA 1080
Qy
1081 GGTCTAGGTTCCTTGGAAATCTTTGTGCTCATCAGAGACCCAGCTGGGGAACAGCT 1140
Db
1081 GGTCTAGGTTCCTTGGAAATCTTTGTGCTCATCAGAGACCCAGCTGGGGAACAGCT 1140
Qy
1141 GCCCGACTGCCAGAGAGCTGCAAAACCAACACAGAGCGGTGTTCTTGGAGGAA 1200
Db
1141 GCCCGACTGCCAGAGAGCTGCAAAACCAACACAGAGCGGTGTTCTTGGAGGAA 1200
Qy
1201 TGTCCCGAGTTGGACAGAGGCTGTTTCTGACATCAGCTCATTTCCCGCAGCCCAT 1260
Db
1201 TGTCCCGAGTTGGACAGAGGCTGTTTCTGACATCAGCTCATTTCCCGCAGCCCAT 1260
Qy
1261 TCTTGTGATTTGTTGGGGGCTTGGCCACTTCTTGTGTTCTCAAGCTGCAATTC 1320
Db
1261 TCTTGTGATTTGTTGGGGGCTTGGCCACTTCTTGTGTTCTCAAGCTGCAATTC 1320
Qy
1321 TCATTTGCAATTAATAGTCCAGTGTTCCTTCC 1354
Db
1321 TCATTTGCAATTAATAGTCCAGTGTTCCTTCC 1354

RESULT 2
US-09-610-906-5
; Sequence 5, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Ted M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 1804734CBI
; PUBLICATION INFORMATION:
US-09-610-906-5
Query Match 89.6%; Score 1213.6; DB 4; Length 1312;
Best Local Similarity 99.3%; Pred. No. 5.8e-314; Indels 0; Gaps 0;
Matches 1219; Conservative 0; Mismatches 9;
Qy 122 TCCCTTTTCCCTACGCGAGATAGCCATGTGTGAGCCCTGAATTTGGCAATGCAAGGCCA 181
Db 85 TCCGTATGTCTGGAGAGCAGATAGCCATGTGTGAGCCCTGAATTTGGCAATGCAAGGCCA 144
Qy 182 GGGAGCCGAGCGGTGGCGAGTGGCGAGTGTCTGCTGAGAGAGAGAGTGTCTGAGCCAT 241
Db 145 GGGAGCCGAGCGGTGGCGAGTGGCGAGTGTCTGCTGAGAGAGAGAGTGTCTGAGCCAT 204
Qy 242 GTCTGTGCTCAACTGCTGGGCTCTGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 301
Db 205 GTCTGTGCTCAACTGCTGGGCTCTGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 264
Qy 302 AGATGGAGCGACACTGGGCTGTGAGCCGCGCTTGGCCAGCGGCTGGCTTTGGGCG 361
Db 265 AGATGGAGCGACACTGGGCTGTGAGCCGCGCTTGGCCAGCGGCTGGCTTTGGGCG 324
Qy 362 TCGTGAATCCACGCTGGGGAATATCAGTGTGGAGACTTCAACCCCTGCGGTGCTCCCTGG 421
Db 325 TCGTGAATCCACGCTGGGGAATATCAGTGTGGAGACTTCAACCCCTGCGGTGCTCCCTGG 384
Qy 422 CAGCCATGTGATGGAGCGCTCAACCTGTGTGATGCTCTTCCGCTACTGGGTCTCACAG 481
Db 385 CAGCCATGTGATGGAGCGCTCAACCTGTGTGATGCTCTTCCGCTACTGGGTCTCACAG 444
Qy 482 TCGTGGGGGATGCTCGGGGCTGGCTTGGCCAGCGGCTGAGTCTTCTGAGAGAGGTTCT 541
Db 445 TCGTGGGGGATGCTCGGGGCTGGCTTGGCCAGCGGCTGAGTCTTCTGAGAGAGGTTCT 504
Qy 542 GGAATCATCTGGGGCGGCTTTTGTGAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 601
Db 505 GGAATCATCTGGGGCGGCTTTTGTGAGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 564
Qy 602 TGGTGGCAGAGATCATCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 661
Db 565 TGGTGGCAGAGATCATCTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 624
Qy 662 ATGAG 721
Db 625 ATGAG 684
Qy 722 TCCGTGGGGGCGGCTTGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 781
Db 685 TCCGTGGGGGCGGCTTGTGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 744

Qy	782	CGTGTGGCCAA	CCACTCGAACTT	CCACTGGATCT	ACTGGCTGGGCCCACT	CTCTGGCTG	841
Db	745	CGTGTGGCCAA	CCACTCGAACTT	CCACTGGATCT	ACTGGCTGGGCCCACT	CTCTGGCTG	804
Qy	842	GCCTGCTTGT	TGGACTGCT	CATTAGGTGCTT	CATTGGAGATGGGAAGACCGGCTCATCC		901
Db	805	GCCTGCTTGT	TGGACTGCT	CATTAGGTGCTT	CATTGGAGATGGGAAGACCGGCTCATCC		864
Qy	902	TGAAGGCTCG	TGAAGCAGAGCT	CGTGGGATTT	CTCTGCTGCTCCAGGTGTCTCAGCTCAC		961
Db	865	TGAAGGCTCG	TGAAGCAGAGCT	CGTGGGATTT	CTCTGCTGCTCCAGGTGTCTCAGCTCAC		924
Qy	962	CTGTCCCACT	AGAGCAGGGAGTTC	CTCGCATTTCTCGCAGGGCAGAGGCCAGAGG			1021
Db	925	CTGTCCCACT	AGAGCAGGGAGTTC	CTCGCATTTCTCGCAGGGCAGAGGCCAGAGG			984
Qy	1022	AGCGACCCCT	GCTTCCACTGCTTGGGCGCTTTCT	TCAGATAGACTGACTGCTGAGGAG			1081
Db	985	AGCGACCCCT	GCTTCCACTGCTTGGGCGCTTTCT	TCAGATAGACTGACTGCTGAGGAG			1044
Qy	1082	GCTCTAGGTTCT	TGGAAATTCCTTTTGCTCAT	CAGAGACCCAGCCCTGGGGAAACACGCTG			1141
Db	1045	GCTCTAGGTTCT	TGGAAATTCCTTTTGCTCAT	CAGAGACCCAGCCCTGGGGAAACACGCTG			1104
Qy	1142	CCGCACTGCC	CAGAGAGAGTGCAAA	CAACAACACGAGCGGTGTTTCTTGAGAGGAAT			1201
Db	1105	CCGCACTGCC	CAGAGAGAGTGCAAA	CAACAACACGAGCGGTGTTTCTTGAGAGGAAT			1164
Qy	1202	GTCCCCAGT	TGGACAGGAGGCTGTTTCTGCA	CATCAGCTCATTTCCCGCACCCCAATTT			1261
Db	1165	GTCCCCAGT	TGGACAGGAGGCTGTTTCTGCA	CATCAGCTCATTTCCCGCACCCCAATTT			1224
Qy	1262	CTTGCTTGAT	GTCTTTGTGGGGCCCTGGCCACTTCCTTGCTTCTCAAGCTGCAAAATTC				1321
Db	1225	CTTGCTTGAT	GTCTTTGTGGGGCCCTGGCCACTTCCTTGCTTCTCAAGCTGCAAAATTC				1284
Qy	1322	CACTTTGC	ATAAATAGTCCAGTGTTTC				1349
Db	1285	CACTTTGC	ATAAATAGTCCAGTGTTTC				1312

RESULT 3

```

US-09-976-594-346
; Sequence 346, Application US/09976594
; Patent NO. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 346
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6673549 1804734CB1
US-09-976-594-346

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Query Match	89.6%	Score 1213.6;	DB 4;	Length 1312;
Best Local Similarity	99.3%;	Pred. NO. 5.8e-314;		
Matches 1219;	Conservative 0;	Mismatches 9;	Indels 0;	Gaps 0;
Qy	122	TC CCTTTTTCCTACGGCAGATAGCATGTGTGAGCCCTGAATTTGGCAATGACAAGGCCA	181	
Db	85	TCCTGATGTCGTGAGAGCAGATAGCATGTGTGTGAGCCCTGAATTTGGCAATGACAAGGCCA	144	

QY 1262 CTGCTGATGCTTTGTTGGGGCTGGCCACTTCCTTCTCTCAAGCTGACAAATCT 1321
 Db 1225 CTGCTGATGCTTTGTTGGGGCTGGCCACTTCCTTCTCTCAAGCTGACAAATCT 1284
 QY 1322 CACTTTGCAATAAATAGTCAGTGTTC 1349
 Db 1285 CACTTTGCAATAAATAGTCAGTGTTC 1312

RESULT 4
 US-09-610-906-6/c
 ; Sequence 6, Application US/09610906
 ; Patent No. 6566066
 ; GENERAL INFORMATION:
 ; APPLICANT: Walker, Michael G.
 ; APPLICANT: Volkmut, Wayne
 ; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
 ; FILE REFERENCE: PC-0012 CIP
 ; CURRENT APPLICATION NUMBER: US/09/610,906
 ; CURRENT FILING DATE: 2000-07-06
 ; PRIOR APPLICATION NUMBER: 09/226,994
 ; PRIOR FILING DATE: 1999-01-07
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 6
 ; LENGTH: 562
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; OTHER INFORMATION: Incyte ID No. 6566066 227165P1
 ; NAME/KEY: unsure
 ; LOCATION: 525, 550
 ; OTHER INFORMATION: a, t, c, g, or other
 ; PUBLICATION INFORMATION:
 ; US-09-610-906-6

Query Match 35.0%; Score 473.8; DB 4; Length 562;
 Best Local Similarity 95.4%; Pred. No. 7e-117;
 Matches 521; Conservative 0; Mismatches 18; Indels 7; Gaps 3;
 QY 816 CTACTGCTGGCCCA--CTCTGGCTGGCTGCTGTTGG---ACTGCTATTAGTGC 870
 Db 546 CTACTGCTGGCCCAATCCNTGGCTGGCTGCTGTTGG---ACTGCTATTAGTGC 487
 QY 871 TTCAITGGA--GATGGGAAGACCCGCTCATCTGAAGCTCGGTGAAGCAGACTCGTG 928
 Db 486 TTCAITGGAAGATGGGAAGACCCGCTCATCTGAAGCTCGGTGAAGCAGACTCGTG 427
 QY 929 GGAATTCCTGCTGCTCCAGGTGCTCAGCTCACTGTCCAGACTGAGGACAGGGAGTT 988
 Db 426 GGAATTCCTGCTGCTCCAGGTGCTCAGCTCACTGTCCAGACTGAGGACAGGGAGTT 367
 QY 989 CCTGCAATTCCTGCCAGGACAGAGCCAGAGGAGGACCCCTGCTTCCACTGCTTGGG 1048
 Db 366 CCTGCAATTCCTGCCAGGACAGAGCCAGAGGAGGACCCCTGCTTCCACTGCTTGGG 307
 QY 1049 CTTGCTTTCTCAGATAGACTGCTCAGAGGCTCTAGTCTTCTGGAATTCCTTTGTG 1108
 Db 306 CTTGCTTTCTCAGATAGACTGCTCAGAGGCTCTAGTCTTCTGGAATTCCTTTGTG 247
 QY 1109 CTCATCAGAGACCCAGGCTGGGAACAGCTGCTCCGCACTGCCAGAGCAGTGCATA 1168
 Db 246 CTCATCAGAGACCCAGGCTGGGAACAGCTGCTCCGCACTGCCAGAGCAGTGCATA 187
 QY 1169 CACCAACAACAGAGGCTGTTCTTCAGAGGAATGTCCCGAGTGGACAAGAGGCTGTT 1228
 Db 186 CACCAACAACAGAGGCTGTTCTTCAGAGGAATGTCCCGAGTGGACAAGAGGCTGTT 127
 QY 1229 TCTGCACATCAGCTATTTCGCCGACCCGATTTCTTGTCTTGAATGCTTTGTTGGGGCT 1288
 Db 126 TCTGCACATCAGCTATTTCGCCGACCCGATTTCTTGTCTTGAATGCTTTGTTGGGGCT 67

QY 1289 GGCACACTTCTGCTTCTCAAGCTGACAAATCTCACTTTGCAATAAATAGTCCAGTGT 1348
 Db 66 GGCACACTTCTGCTTCTCAAGCTGACAAATCTCACTTTGCAATAAATAGTCCAGTGT 7
 QY 1349 CCTTCC 1354
 Db 6 CCTTCC 1

RESULT 5
 US-09-610-906-4
 ; Sequence 4, Application US/09610906
 ; Patent No. 6566066
 ; GENERAL INFORMATION:
 ; APPLICANT: Walker, Michael G.
 ; APPLICANT: Volkmut, Wayne
 ; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
 ; FILE REFERENCE: PC-0012 CIP
 ; CURRENT APPLICATION NUMBER: US/09/610,906
 ; CURRENT FILING DATE: 2000-07-06
 ; PRIOR APPLICATION NUMBER: 09/226,994
 ; PRIOR FILING DATE: 1999-01-07
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 4
 ; LENGTH: 274
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; OTHER INFORMATION: Incyte ID No. 6566066 3834902H1
 ; NAME/KEY: unsure
 ; LOCATION: 209
 ; OTHER INFORMATION: a, t, c, g, or other
 ; PUBLICATION INFORMATION:
 ; US-09-610-906-4

Query Match 19.3%; Score 261; DB 4; Length 274;
 Best Local Similarity 99.3%; Pred. No. 2.8e-60;
 Matches 272; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
 QY 15 CGGCATCTTCTCTCCAGCTGGCAGAGCAAGGGGGCTGTGAATTAATCAAGGTTGGG 74
 Db 1 CGGCATCTTCTCTCCAGCTGGCAGAGCAAGGGGGCTGTGAATTAATCAAGGTTGGG 60
 QY 75 GGTGGGGCTTCTATATCTGACTTTGCTCCACCGCTGCTCTCTCTCTCTCTCTCT 134
 Db 61 GGTGGGGCTTCTATATCTGACTTTGCTCCACCGCTGCTCTCTCTCTCTCTCTCT 120
 QY 135 ACGGAGATAGCCTATGCTGAGCCTGAAATTTGGCAATGACAAGCCAGGAGCCAGCGT 194
 Db 121 ACGGAGATAGCCTATGCTGAGCCTGAAATTTGGCAATGACAAGCCAGGAGCCAGCGT 180
 QY 195 GGGTGGAGGTGGCAGGTGCTGTGAGAGAGGCTTTGTGAGCCATGCTGTGCGACT 254
 Db 181 GGGTGGAGGTGGCAGGTGCTGTGAGAGAGGCTTTGTGAGCCATGCTGTGCGACT 240
 QY 255 GCT-GGGCT 287
 Db 241 GCTGGGGCT 274

RESULT 6
 US-09-610-906-7
 ; Sequence 7, Application US/09610906
 ; Patent No. 6566066
 ; GENERAL INFORMATION:
 ; APPLICANT: Walker, Michael G.
 ; APPLICANT: Volkmut, Wayne
 ; TITLE OF INVENTION: AQUAPORIN-8 VARIANT

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; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701887401H1
; PUBLICATION INFORMATION:
US-09-610-906-7

Query Match      18.6%; Score 251.4; DB 4; Length 620;
Best Local Similarity 77.8%; Pred. No. 1.4e-57;
Matches 329; Conservative 0; Mismatches 91; Indels 3; Gaps 2;

Qy 580 CAGGGGAGGTGGGAGGGGGTGGTGGGAGAGATCATCTGACGAGCTGTGGCCCTG 639
Db 57 CAGCAGAGGTGGGAGAGGGGGTGGTGGGAGAGATCATCTGACGAGCTGTGGCCCTG 116
Qy 640 GCTGTATGATGGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 699
Db 117 GCTGTATGATGGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 176
Qy 700 GGCTTTCCGTCACCGTGGATATCTTGGTGGGGGGCCCTGTGTGGAGGCTGCATGAAT 759
Db 177 GGTTCCTGTCATTTGGATATCTTGGGAGGTGGTGGGAGTCTCTGGAGGCTGCATGAAC 236
Qy 760 CCGCCCGCTTTTGGAGCTGGTGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 819
Db 237 CCTCTCGTGGCTTTGGAGCTGGTGGTGGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 296
Qy 820 TGGCTGGGGCCACTCTCTGGCTGGGCTGCTTTGGAGTGTCTATTAGGTGCTTCATTTGA 879
Db 297 TGGCTGGGGCCACTCTCTGGCTGGGCTGCTTTGGAGTGTCTATTAGGTGCTTCATTTGA 356
Qy 880 GATGGGAAGAGCCGCTCATCTGAGGCTCGGTGAAGAGAGAGAGAGAGAGAGAGAGAG 939
Db 357 GATGAGAAAGAGCCGCTCATCTGAGGCTCGGTGAAGAGAGAGAGAGAGAGAGAGAGAG 416
Qy 940 GCTCCAGGTGTCTTCACTCACTGCTCCAGAGTGGAGAGAGAGAGAGAGAGAGAGAGAG 999
Db 417 G--CTGGAGTCTCACT--GTTTCTCTGAGTTGAGGAGAGAGAGAGAGAGAGAGAGAG 473
Qy 1000 TGC 1002
Db 474 TGC 476

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RESULT 7
US-09-610-906-3
; Sequence 3, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 233
; TYPE: DNA

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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 2774542H1
; PUBLICATION INFORMATION:
US-09-610-906-3

Query Match      17.2%; Score 233; DB 4; Length 233;
Best Local Similarity 100.0%; Pred. No. 7.7e-53;
Matches 233; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGTGAGCCCTCTGTGCGGCTCTCTCCAGGCTGCGAGCAAGAGGGGGCTGTGAATT 60
Db 1 GGTGAGCCCTCTGTGCGGCTCTCTCTCCAGGCTGCGAGCAAGAGGGGGCTGTGAATT 60
Qy 61 AATTCAAGGTTGGGGGTGGGGGCTTCTATATCTGAGCTTGCCTCCACCCGTTGCTCT 120
Db 61 AATTCAAGGTTGGGGGTGGGGGCTTCTATATCTGAGCTTGCCTCCACCCGTTGCTCT 120
Qy 121 GTCCCTTTTCCCTACCGGAGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAGGCC 180
Db 121 GTCCCTTTTCCCTACCGGAGATAGCCATGTGTGAGCTTGAATTTGGCAATGACAGGCC 180
Qy 181 AGGAGCGGAGCGTGGGCTGGGAGTGTCTTGGTACGAAACGGTTTGT 233
Db 181 AGGAGCGGAGCGTGGGCTGGGAGTGTCTTGGTACGAAACGGTTTGT 233

RESULT 8
US-09-610-906-8
; Sequence 8, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 70162441H1
; PUBLICATION INFORMATION:
US-09-610-906-8

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Query Match      13.5%; Score 183.2; DB 4; Length 279;
Best Local Similarity 79.0%; Pred. No. 1.6e-39;
Matches 218; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 529 GAGGAGAGGTTCTGGAATGATCTGCGGGCGGCTTGTGACGTCCAGGAGCAGGGCAG 588
Db 4 GAGGAAGGTTCTGGAATGATCTGCGGGCAGGCTTTGCCATAGTCCAGGAGCAGGAGCAG 63
Qy 589 GTGGCAGGGGTTGGTGGGAGAGATCATCTGACGAGCTGTGGCCCTGGCTGTATGC 648
Db 64 GTGGCAGAAAGCCCTGGGGGTAGAGATCGTTATGACGATGCTGTGGTATTGGCTGTGT 123
Qy 649 ATGGGTGCCATCAATGAGACAAAGGGCCCTCTGGCCCCCGTTCTCCATCGGCTTGGC 708
Db 124 ATGGGTGCCATCAATGAGACCAATGGTCCCTAGCCCCATCTCCATTGTTTCTCT 183
Qy 709 GTACCGTGGATATCTGGCTGGGGGGCCCTGTGTCTGGAGGCTGCATGAATCCGCCCT 768
Db 184 GTCAATTGTGGATATCTGGCAAGTGGTGGGATCTCTGGAGCCTGCATGAACCCCTGCT 243

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QY 769 GCTTTGGACTGGTGGTGGCCCAACCACTGGGAC 804
DB 244 GCCTTGGACTGCTGTGATGGCTGGCTACTGGGAC 279

RESULT 9

US-09-610-906-10
; Sequence 10, Application US/09610906
; Patent No. 656066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 2000-07-06
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 10
; LENGTH: 325
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701652485H1
; PUBLICATION INFORMATION:
US-09-610-906-10

Query Match 9.9%; Score 134.4; DB 4; Length 325;

Best Local Similarity 72.0%; Pred. No. 1.7e-26;
Matches 190; Conservative 0; Mismatches 71; Indels 3; Gaps 1;

QY 137 GCGAGATAGCATGTGTGAGCGTGAATTGGCAATGCAAGGCCAGGAGCCGAGCGGTGG 196
DB 62 GCGAGACCCGATGTGTAGTAGACCTACGTGAGATCAGGGGAGAGACCAACATGG 121
QY 197 GTGGCAGTGGG---GAGTGTCTGTGTAGCAACGGTTTGTGACCCATGTCTGTGTGAAC 253
DB 122 CTGACAGTTACCATGGCATGTCTGGTATGAGCAGTACATACAAACCGTGTGTGGTGAAC 181
QY 254 TGCTGGGCTGTCTCTTTCATCTTCATCGGGTGCCTGTGCTGATGAGATGGGACGG 313
DB 182 TTTTGGGCTCGCTCTCTTTCATCTTCATGTGGTGTCTATCGGTATCGAGAACGTCCAA 241
QY 314 ACATGGGCTGTGTGAGCGGCCCTTGGCCCAACGGGCTGGCTTGGGGCTGTGTATGCCA 373
DB 242 ATACTGGGCTCTGTGAGCGTGCCTGTGCTCATGGCTGGCTCATGGCTGGCTCATGCTA 301
QY 374 GCGTGGGAATATCATGTGTGGAC 397
DB 302 CTTGGGGAACATCAGCGGTGGAC 325

RESULT 10

US-09-610-906-9
; Sequence 9, Application US/09610906
; Patent No. 656066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 2000-07-06
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program

; SEQ ID NO 9
; LENGTH: 159
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701336587H1
; PUBLICATION INFORMATION:
US-09-610-906-9

Query Match 8.4%; Score 114.2; DB 4; Length 159;
Best Local Similarity 82.4%; Pred. No. 3.1e-21;
Matches 131; Conservative 0; Mismatches 28; Indels 0; Gaps 0;
QY 495 GCTCGGGCTCCCTGGCCAAAGCGGTGAGTCTTGAGGAGAGGTCTTGGGAATGCACTGG 554
DB 1 GATCGGAGCTCCCTGGCTAAGGTGGTCCAGAGGAAAGGTCTTGGGAATGCGTCTGG 60
QY 555 GCGGCGCTTTGTGACAGTCCAGGAGCAGGCGAGTGGCAGGGGCGTTCGTGGCAGAGAT 614
DB 61 GCGAGCCTTTGCCATATGTCAGGAGCAGGAGCAGGTGGCAGAGCCCTGGGGGTAGAGAT 120
QY 615 CATCTGACGACGCTGTGGCCCTGGCTGTATGCATGG 653
DB 121 GCTTATGACGATGCTGTGTGATTGGCTGTATGATGG 159

RESULT 11

US-09-372-422A-23
; Sequence 23, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 1193
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (88)...(838)
US-09-372-422A-23

Query Match 8.1%; Score 109.4; DB 4; Length 1193;

Best Local Similarity 50.6%; Pred. No. 1.3e-19;
Matches 300; Conservative 0; Mismatches 281; Indels 12; Gaps 1;

QY 269 TCTTCATCTTCATCGGGTGCCTGTGCTATTGAGATGGACGACACTGGGCTGTGC 328
DB 200 TCCGATCGCTTCGGGCAACTGACGAATGGCGGCGCTGGACCTTCGGGACTGTGG 259
QY 329 AGCGCGCCCTGGCCCAACGGGCTGGCTTTGGGGCTCGTGAATGCCACGCTGGGGAATCA 388
DB 260 CGATCGGGTGGCGACCGGCTGGCCCTCTTCGTGGGCGTCTCCGTGGCCGGAACCT 319
QY 389 GTGGTGGACACTTCAACCTCGGGTGTCCCTGGGAGCAGCATCTGATCGGAGGCTCAAC 448
DB 320 CCGCGCGCCACCTGAACCCCGCGGTGACGTTTCGGCTGGCGGCGCCACATCACCG 379
QY 449 TGGTATGCTCCTCCGCTACTGGGTCTCACAGCTGTCTCGGGGAGATGTTCGGGGCTGC 508
DB 380 TCTTACCGGCTCTTCTACTGGGTGGCCAGCTGTCTGGGCGCGCTCGGTGGCGCTGC 439
QY 509 TGCCCAAGCGGTGAGTCTCTGAGGAGAGGTTCTTGAATGATCTTGGGGCGGCCCTTTGTA 568

Db	553	GTCA	TCGG	CCCAT	CGCCAT	CGGCTT	CATG	TCGG	CCCA	CATC	CTTG	CGGG	CGCG	CGC	612
Qy	739	GTGT	CTGG	AGGCT	GCAT	GAAT	CCGCG	CGTGT	TTTG	GA	CTTGG	GA	CTTGG	GA	798
Db	613	TTG	ACGG	CGCT	CCAT	GA	ACCC	CGCG	CTCT	CTT	CG	CCCG	CGCG	CTG	672
Qy	799	TGGA	ACTT	CCACT	GGAT	CTA	CTG	GTG	GGCC	CACT	CTCT	GG	838		
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Search completed: February 18, 2004, 13:36:50
Job time : 99.3511 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: February 18, 2004, 13:28:27 ; Search time 452.047 Seconds
(without alignments)
10488.348 Million cell updates/sec

Title: US-09-864-711-8
Perfect score: 1354
Sequence: 1 ggtgagccctgtcgcat.....atagtcaggtttcttc 1354

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2308684 seqs, 1750822206 residues

Total number of hits satisfying chosen parameters: 4617368

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq*
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- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq*
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- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq*
- 16: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq*
- 17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq*
- 18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1354	100.0	1354	9	US-09-864-711-8
2	1354	100.0	1354	14	US-10-396-943-2
3	1213.6	89.6	1312	9	US-09-981-353-62
4	1213.6	89.6	1312	14	US-10-396-943-5
5	1213.4	89.6	1410	9	US-09-925-299-67
6	1213.4	89.6	1410	10	US-09-925-299-67
7	1213.4	89.6	1410	14	US-10-023-896-40
8	1213.4	89.6	1410	14	US-10-106-698-245
9	1210.2	89.4	1314	14	US-10-216-408-16
10	1203.4	88.9	1324	14	US-10-158-646-49
11	1202	88.8	1388	14	US-10-023-896-11
12	1202	88.8	1712	14	US-10-106-698-1986
13	1200.4	88.7	1309	15	US-10-295-027-459
14	473.8	35.0	562	14	US-10-396-943-6
15	315.2	23.3	321	10	US-09-803-719-2329

16	312.8	23.1	317	10	US-09-803-719-2269	Sequence 2369, Ap
17	310.6	22.9	318	10	US-09-803-719-2361	Sequence 2361, Ap
18	305.2	22.1	321	10	US-09-803-719-2362	Sequence 2362, Ap
19	280.8	20.7	314	10	US-09-803-719-2328	Sequence 2328, Ap
20	277.4	20.5	281	14	US-10-216-408-9	Sequence 9, Appl
21	271	20.0	282	14	US-10-216-408-12	Sequence 12, Appl
22	266	19.6	269	14	US-10-216-408-7	Sequence 7, Appl
23	261	19.3	274	14	US-10-396-943-4	Sequence 4, Appl
24	257	19.0	257	14	US-10-216-408-4	Sequence 4, Appl
25	255.4	18.9	257	14	US-10-216-408-11	Sequence 11, Appl
26	251.4	18.6	620	14	US-10-396-943-7	Sequence 7, Appl
27	244	18.0	244	14	US-10-216-408-3	Sequence 3, Appl
28	244	18.0	244	14	US-10-216-408-6	Sequence 6, Appl
29	243.8	18.0	279	14	US-10-216-408-14	Sequence 14, Appl
30	233	17.2	233	14	US-10-396-943-3	Sequence 3, Appl
31	230.8	17.0	256	14	US-10-216-408-10	Sequence 10, Appl
32	228.4	16.9	231	14	US-10-216-408-13	Sequence 13, Appl
33	224	16.5	224	14	US-10-216-408-5	Sequence 5, Appl
34	215.4	15.9	220	14	US-10-216-408-15	Sequence 15, Appl
35	199.4	14.7	201	14	US-10-216-408-8	Sequence 8, Appl
36	183.2	13.5	279	14	US-10-396-943-8	Sequence 8, Appl
37	134.4	9.9	325	14	US-10-396-943-10	Sequence 10, Appl
38	123	9.1	222	14	US-10-216-408-2	Sequence 2, Appl
39	117.8	8.7	759	9	US-09-887-576-810	Sequence 810, Appl
40	114.2	8.4	159	14	US-10-396-943-9	Sequence 9, Appl
41	107.6	7.9	1008	15	US-10-310-154-238	Sequence 238, Appl
42	107.6	7.9	1238	15	US-10-409-701-14	Sequence 14, Appl
43	106.2	7.8	747	9	US-09-887-576-781	Sequence 781, Appl
44	105.4	7.8	750	15	US-10-260-238-5572	Sequence 5572, Ap
45	99.4	7.3	1827	9	US-09-887-576-817	Sequence 817, Appl

ALIGNMENTS

RESULT 1
US-09-864-711-8
; Sequence 8 Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1.CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; NUMBER OF SEQ ID NOS: 15
; CURRENT FILING DATE: 2001-05-23
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 2774542CB1
US-09-864-711-8

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Best Local Similarity		100.0%	Pred. No. 0		
Matches 1354		Conservative	0	Mismatches	0
			0	Indels	0
			0	Gaps	0
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DB	1	GGTGAGCCCTCTGTGCGCATCTTCTCTCCAGGCTGCGAGCAAGGGGGCTGTGAATT	60		
QY	61	AATTCAGGTTGGGGTGGGGCTTCTATCTGACTTGGCTCCCAACCCGTCCTCT	120		
DB	61	AATTCAGGTTGGGGTGGGGCTTCTATCTGACTTGGCTCCCAACCCGTCCTCT	120		
QY	121	GTCCCTTTTCCCTACGCGCAGATAGCCATGTGTGAGCTGAATTGGCAATGCAAGGCC	180		
DB	121	GTCCCTTTTCCCTACGCGCAGATAGCCATGTGTGAGCTGAATTGGCAATGCAAGGCC	180		

Qy	181	AGGAGCGGAGCTGGGTGGCAGGTGGGAGTGTCTGGTACGAACGGTTTGTGACGCA	240
Db	181	AGGAGCGGAGCTGGGTGGCAGGTGGGAGTGTCTGGTACGAACGGTTTGTGACGCA	240
Qy	241	TGTCGTGCGAACTGCTGGGCTCTGCTCTCTTCATCTTCATCTGGGTGCTGTCGGTCAAT	300
Db	241	TGTCGTGCGAACTGCTGGGCTCTGCTCTCTTCATCTTCATCTGGGTGCTGTCGGTCAAT	300
Qy	301	GAGAAATGGGACGGACACTGCGGCTGTGTGACGCGGCGCTTGGCCCAAGGGCTTGTGGG	360
Db	301	GAGAAATGGGACGGACACTGCGGCTGTGTGACGCGGCGCTTGGCCCAAGGGCTTGTGGG	360
Qy	361	CTCGTGATTGCCACGCTGGGGAATACAGTGGTGGACACTTCAACCTTCGGGTGTCCTG	420
Db	361	CTCGTGATTGCCACGCTGGGGAATACAGTGGTGGACACTTCAACCTTCGGGTGTCCTG	420
Qy	421	GCAGCCATGTGATCGGAGGCGCTCAACTGTGTGATGTCTCTCCGCTACTGGGTCTCAAG	480
Db	421	GCAGCCATGTGATCGGAGGCGCTCAACTGTGTGATGTCTCTCCGCTACTGGGTCTCAAG	480
Qy	481	CTGCTCCGGGGGATGCTCGGGCTGCTTGGCCCAAGGCGGTGAGTCTCTGAGGAGAGGTTC	540
Db	481	CTGCTCCGGGGGATGCTCGGGCTGCTTGGCCCAAGGCGGTGAGTCTCTGAGGAGAGGTTC	540
Qy	541	TGGAATGCACTCGGGCGGCGCTTGTGTGACAGTCCAGGACAGGGCGCAGGTGGCAGGGCG	600
Db	541	TGGAATGCACTCGGGCGGCGCTTGTGTGACAGTCCAGGACAGGGCGCAGGTGGCAGGGCG	600
Qy	601	TGCTGGGAGAGATCATCTGACAGCAGTGTGCGCCCTTGTGTGATGATGGGTGCCATC	660
Db	601	TGCTGGGAGAGATCATCTGACAGCAGTGTGCGCCCTTGTGTGATGATGGGTGCCATC	660
Qy	661	AATCAGAAAGACAAAGGGCGCTCTGGCCCGCTTCTCCATCGGCTTTCGCTCAGCGTGGAT	720
Db	661	AATCAGAAAGACAAAGGGCGCTCTGGCCCGCTTCTCCATCGGCTTTCGCTCAGCGTGGAT	720
Qy	721	ATCCTGCTGGGGCGCTGTGTCTGAGGCTGCAATGAAATCCGCCCGTGCTTTTGGACCT	780
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Db	781	GGGTGTGGCCCAACCACTGGAATCTCCACTGGATCTACTGGCTGGGCCCACTCTCGCT	840
Qy	841	GGCCTGCTGTGGACTGCTCAATTAGGTGTCTTCAATTGGAGATGGGAAGACCGCGCTCATC	900
Db	841	GGCCTGCTGTGGACTGCTCAATTAGGTGTCTTCAATTGGAGATGGGAAGACCGCGCTCATC	900
Qy	901	CTGAAGGCTGGTGAAGCAGAGCTGTGGGATTCCTGCTGCTCAGAGTGTCTCAGTCTCA	960
Db	901	CTGAAGGCTGGTGAAGCAGAGCTGTGGGATTCCTGCTGCTCAGAGTGTCTCAGTCTCA	960
Qy	961	CCTGTCCAGACTGAGACAGGAGGTTCCTGTGCAATTCCTGCCAGGGCAGAGGCCACAG	1020
Db	961	CCTGTCCAGACTGAGACAGGAGGTTCCTGTGCAATTCCTGCCAGGGCAGAGGCCACAG	1020
Qy	1021	GAGCGACCCCTGTCTTCCACTGCTTGGGCTGTCTTCTCAGATGACTGCTGTGAGGA	1080
Db	1021	GAGCGACCCCTGTCTTCCACTGCTTGGGCTGTCTTCTCAGATGACTGCTGTGAGGA	1080
Qy	1081	GGCTCTAGGTTCTTGGAAATCCTTTGTGCTCATCAGAGACCCACAGCTGGGGACACGCT	1140
Db	1081	GGCTCTAGGTTCTTGGAAATCCTTTGTGCTCATCAGAGACCCACAGCTGGGGACACGCT	1140
Qy	1141	GCCGCGACTGCCAGAGCAGTGCACACCAACCAACGAGCGTGTCTTGTGAGAGAA	1200
Db	1141	GCCGCGACTGCCAGAGCAGTGCACACCAACCAACGAGCGTGTCTTGTGAGAGAA	1200
Qy	1201	TGTCCTCGAGTTGACAGGAGCTGTCTTGTGCACTCAGCTCAATTTCCGACGCCATTT	1260
Db	1201	TGTCCTCGAGTTGACAGGAGCTGTCTTGTGCACTCAGCTCAATTTCCGACGCCATTT	1260
Qy	1261	TCCTGCTGTGATGTCTTTGTTGGGGCGCTTGGCCACTTCTCTGCTTCTCAAGCTGACAAATTC	1320

DB	1261	TCCTTGTGATTCGCTTTGTTGGGGGCGTGGCCACTTCCTTGTCTTCAAGCTGACAAATTC	1320
QY	1321	TCACCTTGCATAAAATAGTCCAGTGTTTCCTTC	1354
DB	1321	TCACCTTGCATAAAATAGTCCAGTGTTTCCTTC	1354

RESULT 2

US-10-396-943-2

Sequence 2, Application US/10396943

Publication No. US20030158085A1

GENERAL INFORMATION:

APPLICANT: Walker, Michael G.

APPLICANT: Volkmut, Wayne

APPLICANT: Klinger, Tod M.

TITLE OF INVENTION: AQUAPORIN-8 VARIANT

FILE REFERENCE: PC-0012 CIP

CURRENT APPLICATION NUMBER: US/10/396,943

CURRENT FILING DATE: 2003-03-24

PRIOR APPLICATION NUMBER: US/09/610,906

PRIOR FILING DATE: 2000-07-06

PRIOR APPLICATION NUMBER: 09/226,994

PRIOR FILING DATE: 1999-01-07

NUMBER OF SEQ ID NOS: 12

SOFTWARE: PERL Program

SEQ ID NO 2

LENGTH: 1354

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Incyte ID No. US20030158085A1 2774542CB1

PUBLICATION INFORMATION:

US-10-396-943-2

Query Match

Best Local Similarity 100.0%; Score 1354; DB 14; Length 1354;

Matches 1354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY	61	AAATCAAGGTGGGGTGGGGCTTCTATATCTGACACTTCCTCCACCCGTGTCTCT	120
DB	61	AAATCAAGGTGGGGTGGGGCTTCTATATCTGACACTTCCTCCACCCGTGTCTCT	120
QY	121	GTCCCTTTTCCCTACGCGAGATAGCCATGTGTGAGCTGTGAATTTGGCAATGACAGGCC	180
DB	121	GTCCCTTTTCCCTACGCGAGATAGCCATGTGTGAGCTGTGAATTTGGCAATGACAGGCC	180
QY	181	AGGAGCGCAGCGTGGGTGGCAGTGTCTGTGTAACGAGTGTGTGACGCCA	240
DB	181	AGGAGCGCAGCGTGGGTGGCAGTGTCTGTGTAACGAGTGTGTGACGCCA	240
QY	241	TGTCGTGTGAACTGTCTGTCTCTTCACTTTCATCGGGTGCCTGTCTGTCT	300
DB	241	TGTCGTGTGAACTGTCTGTCTCTTCACTTTCATCTTCACTCGGGTGCCTGTCTGTCT	300
QY	301	GAGATGCGACGACACTGTGGCTGTCTGACGCGCGCTGCCCCACGCGCTGGCTTGGGG	360
DB	301	GAGATGCGACGACACTGTGGCTGTCTGACGCGCGCTGCCCCACGCGCTGGCTTGGGG	360
QY	361	CTCGTGATTCGCCAGCTGGGGAATATCAGTGTGTGACACTTCAACCTCGGGTGTCTGT	420
DB	361	CTCGTGATTCGCCAGCTGGGGAATATCAGTGTGTGACACTTCAACCTCGGGTGTCTGT	420
QY	421	GCAGCCATGCTGATCGAGAGCCCTCAACCTGTGTGATGTCTCTCCGTACTGGTCTCACAG	480
DB	421	GCAGCCATGCTGATCGAGAGCCCTCAACCTGTGTGATGTCTCTCCGTACTGGTCTCACAG	480
QY	481	CTGCTCGGGGGGATGCTTCGGGGTGTCCCTTGGCCAAAGCGGTGAGTCTCTGAGGAGAGGTT	540


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Db 481 CTGCTCGGGGATGCTCGGGGCTCCTTGGCTAAGGGCGTGAAGTCTTGAAGAGAGTTC 540
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Db 601 TTGGTGGCAGAGATCATCTGACAGAGCTGCTGGCCCTGGCTGTATGACAGGGTGCATC 660
QY 661 AATGAGAGACAAAGGGCCCTCTGCGCCGCTTCTCCATCGGCTTTGCGGTCAACGCTGGAT 720
Db 661 AATGAGAGACAAAGGGCCCTCTGCGCCGCTTCTCCATCGGCTTTGCGGTCAACGCTGGAT 720
QY 721 ATCTGCTGGTGGGGCCCTGTGTCTGGAGGCTGCATGAATCCCGCCGCTTTTGGACCT 780
Db 721 ATCTGCTGGTGGGGCCCTGTGTCTGGAGGCTGCATGAATCCCGCCGCTTTTGGACCT 780
QY 781 GGGTGGTGGCCCAACACTGNACTTCCACTGGATCTACTGGCTGGGCCCCACTCTGGCT 840
Db 781 GGGTGGTGGCCCAACACTGNACTTCCACTGGATCTACTGGCTGGGCCCCACTCTGGCT 840
QY 841 GGCCTGCTTGTGGACTGCTCATTAGGTGCTTCAATGGAGATGGAGACCCGCTCATC 900
Db 841 GGCCTGCTTGTGGACTGCTCATTAGGTGCTTCAATGGAGATGGAGACCCGCTCATC 900
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Db 901 CTGAAGGCTCGTGAAGCAGAGCTCGTGGGATTCCTGTCTCCAGGTGCTCCTCAGTCA 960
QY 961 CCTGTCCAGACTGAGGACAGGGAGTTCCTGTGCTTCTGCAATTCCTGCCAGGCGCCAGAG 1020
Db 961 CCTGTCCAGACTGAGGACAGGGAGTTCCTGTGCTTCTGCAATTCCTGCCAGGCGCCAGAG 1020
QY 1021 GAGGACCCCTGCTTCCACTGCTTGGGCTGCTTCTCAGATAGACTGCTGAGGA 1080
Db 1021 GAGGACCCCTGCTTCCACTGCTTGGGCTGCTTCTCAGATAGACTGCTGAGGA 1080
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Db 1081 GGCTTAGGTCTTGGATTCCTTGTGCTCATCAGAGCCCTGAGGTCGAGGACAGCT 1140
QY 1141 GCCCGACTGCCAGAGAGCAGTCAACACACACAGAGCGTGTCTTCTGAGAGAA 1200
Db 1141 GCCCGACTGCCAGAGAGCAGTCAACACACACAGAGCGTGTCTTCTGAGAGAA 1200
QY 1201 TGTCGCCAGTGGACAGAGAGGCTGTTTCTGCAATGCTCATATTTCCGCGACCCCAT 1260
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QY 1261 TCTTGTGATTGCTTGTGTTGGGCGCTGGCCACTTCTTGTCTTCAAGCTGACATTC 1320
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QY 1321 TCACCTTTCATAAATAGTCCAGTGTTCCTTCC 1354
Db 1321 TCACCTTTCATAAATAGTCCAGTGTTCCTTCC 1354

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RESULT 3
 US-09-981-353-62
 ; Sequence 62, Application US/09981353
 ; Patent No. US20020160382A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lasek, Amy W.
 ; APPLICANT: Jones, David A.
 ; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
 ; FILE REFERENCE: PA-0038 US
 ; CURRENT FILING DATE: 2001-10-11
 ; NUMBER OF SEQ ID NOS: 194
 ; SOFTWARE: PERL Program

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; SEQ ID NO 62
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1.1804734CBI
; US-09-981-353-62

Query Match      89.6%; Score 1213.6; DB 9; Length 1312;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 122 TCCCTTTTCCCTAGCGCAGATAGCCATGTGTGACCCCTGAATTTGGCAATGACAGGCCA 181
Db 85 TCTGATGTCTGGAGACAGATAGCCATGTGTGACCCCTGAATTTGGCAATGACAGGCCA 144
QY 182 GGGAGCCGAGCTGGGTGGCAGGTGGCAGGTGCTGTGACGAGGCTGTGTGACGAGCCAT 241
Db 145 GGGAGCCGAGCTGGGTGGCAGGTGGCAGGTGCTGTGACGAGGCTGTGTGACGAGCCAT 204
QY 242 GTCTGTGCAAACTGTGTGGGCTCTGTCTCTTCAATCTTCAATCGGGTGCCTGTCTGGTCA 301
Db 205 GTCTGTGCAAACTGTGTGGGCTCTGTCTCTTCAATCTTCAATCGGGTGCCTGTCTGGTCA 264
QY 302 AGAATGGAGCGACACTGTGGCTGTGTGACGAGGCTGTGTGACGAGGCTGTGTGGGCT 361
Db 265 AGAATGGAGCGACACTGTGGCTGTGTGACGAGGCTGTGTGACGAGGCTGTGTGGGCT 324
QY 362 TCGTGAATGCCACGCTGGGGAATATCAGTGTGTGACACTTCAACCCCTCGGTGTCCCTGG 421
Db 325 TCGTGAATGCCACGCTGGGGAATATCAGTGTGTGACACTTCAACCCCTCGGTGTCCCTGG 384
QY 422 CAGCCATGCTGATCGAGGCTCTCAACCTGTGTGATGCTCTCTCCGCTGTCTGACAGC 481
Db 385 CAGCCATGCTGATCGAGGCTCTCAACCTGTGTGATGCTCTCTCCGCTGTCTGACAGC 444
QY 482 TGCTGGGGGATGCTTCCGGGCTGTGTGGCGAGAGGCTGTGTGCTGCTGAGAGAGGTCT 541
Db 445 TGCTGGGGGATGCTTCCGGGCTGTGTGGCGAGAGGCTGTGTGCTGCTGAGAGAGGTCT 504
QY 542 GGAATGCATCTGGGGCGGCTTTGTGACAGTCCAGAGACAGGGGCGAGTGGCAGGGCGT 601
Db 505 GGAATGCATCTGGGGCGGCTTTGTGACAGTCCAGAGACAGGGGCGAGTGGCAGGGCGT 564
QY 602 TGGTGGCAGAGATCATCTGTGACAGAGCTGTGTGGCTGTGTGATGATGAGGTGCTCA 661
Db 565 TGGTGGCAGAGATCATCTGTGACAGAGCTGTGTGGCTGTGTGATGATGAGGTGCTCA 624
QY 662 ATGAGAGACAAAGGGCGCTCTGGGCGGCTTCTCCATCGGCTTTGCGCTGACCCGTGATA 721
Db 625 ATGAGAGACAAAGGGCGCTCTGGGCGGCTTCTCCATCGGCTTTGCGCTGACCCGTGATA 684
QY 722 TCCCTGGCTGGGGCGCTGTGTGTGAGGCTGTGTGATGAGATGGAGAGCCGCTGTATCC 781
Db 685 TCCCTGGCTGGGGCGCTGTGTGTGAGGCTGTGTGATGAGATGGAGAGCCGCTGTATCC 744
QY 782 CGGTGTGCGCAACCACTGGAACTTCCACTGGATCTGTGGCTGGGCGCTGTGTGGCTG 841
Db 745 CGGTGTGCGCAACCACTGGAACTTCCACTGGATCTGTGGCTGGGCGCTGTGTGGCTG 804
QY 842 GCCTGCTTGTGGACTGTCTCATTAGGTGCTTCAATGGAGATGGAGAGCCGCTGTATCC 901
Db 805 GCCTGCTTGTGGACTGTCTCATTAGGTGCTTCAATGGAGATGGAGAGCCGCTGTATCC 864
QY 902 TGAAGGCTCGGTGAAGCAGAGCTGTGTGGATTTCTGTCTTCCAGGTGTCTTCAAGTCA 961
Db 865 TGAAGGCTCGGTGAAGCAGAGCTGTGTGGATTTCTGTCTTCCAGGTGTCTTCAAGTCA 924
QY 962 CTGTCCCAAGACTGAGGACAGGGGAGTTCCTGCAATTTCTGCGAGGCGAGAGGCCAGAG 1021
Db 925 CTGTCCCAAGACTGAGGACAGGGGAGTTCCTGCAATTTCTGCGAGGCGAGAGGCCAGAG 984

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QY 1022 AGCGACCCCTGCTTCCACTGCTTGGGCTGTGTTCTCAGATAGACTGACTGCTGAGGAG 1081
Db 985 AGCGACCCCTGCTTCCACTGCTTGGGCTGTGTTCTCAGATAGACTGACTGCTGAGGAG 1044
QY 1082 GCTCTAGGTTCTTGGAAATCCCTTGTGCTCATCAGAGACCCAGCTGGGACACGCTG 1141
Db 1045 GCTCTAGGTTCTTGGAAATCCCTTGTGCTCATCAGAGACCCAGCTGGGACACGCTG 1104
QY 1142 CCGCACTGCCAGAGAGAGCTGCAACCAACACAGAGCGTGTCTTCTGAGAGAAAT 1201
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RESULT 4

US-10-396-943-5
; Sequence 5, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmueth, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 5
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 1804734CB1
; PUBLICATION INFORMATION:
US-10-396-943-5

Query Match 89.6%; Score 1213.6; DB 14; Length 1312;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1219; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 122 TCCCTTTTCCCTACGGCAGATAGCCATGTGTGAGCCTGAATTTGGCAATGACAAGGCCA 181
Db 85 TCCCTATGTCTGGAGAGCAGATAGCCATGTGTGAGCCTGAATTTGGCAATGACAAGGCCA 144
QY 182 GGGAGCCGAGCTGGGTGGCAGGTGGCAGGTGCTGTGATGAGAGCGTTGTGAGCGCAT 241
Db 145 GGGAGCCGAGCTGGGTGGCAGGTGGCAGGTGCTGTGATGAGAGCGTTGTGAGCGCAT 204
QY 242 GTCTGGTGAATCTGCGGCTGTCTCTTTCATCTTCATCGGGTGGCTGTGCGGTCAATG 301
Db 205 GTCTGGTGAATCTGCGGCTGTCTCTTTCATCTTCATCGGGTGGCTGTGCGGTCAATG 264
QY 302 AGAATGGGACGACACTGGGCTGTGAGCGCGCCCTGGCCCAAGGGCTGGCTTTGGGGC 361
Db 265 AGAATGGGACGACACTGGGCTGTGAGCGCGCCCTGGCCCAAGGGCTGGCTTTGGGGC 324

RESULT 5

US-09-925-299-67
; Sequence 67, Application US/09925299
; Patent No. US20020055627A1

QY 362 TCCTGATTTGCCAGCTGGGGAATATCAGTGTGGACACTTCAACCTCGGCTGTCCTCGG 421
Db 325 TCCTGATTTGCCAGCTGGGGAATATCAGTGTGGACACTTCAACCTCGGCTGTCCTCGG 384
QY 422 CAGCCATGCTGATTCGAGAGCCCTCAACCTGCTGATGCTCTCCCTGATCTGGGTCTCACAGC 481
Db 385 CAGCCATGCTGATTCGAGAGCCCTCAACCTGCTGATGCTCTCCCTGATCTGGGTCTCACAGC 444
QY 482 TGCTTCGGGGGATGCTTCGGGGCTGCTTGGCCCAAGGCGGTGAGTCTCTGAGGAGAGGTCT 541
Db 445 TGCTTCGGGGGATGCTTCGGGGCTGCTTGGCCCAAGGCGGTGAGTCTCTGAGGAGAGGTCT 504
QY 542 GGAATGCACTTCGGGGCGGCTTTGTGACAGTCCAGAGCAGGGGAGGTGGCAGGGGGCT 601
Db 505 GGAATGCACTTCGGGGCGGCTTTGTGACAGTCCAGAGCAGGGGAGGTGGCAGGGGGCT 564
QY 602 TGCTGCACAGAGATCATCTGAGAGCGCTGCTGGCCCTGGCTGTATGATGGGTGGCATCA 661
Db 565 TGCTGCACAGAGATCATCTGAGAGCGCTGCTGGCCCTGGCTGTATGATGGGTGGCATCA 624
QY 662 ATGAGAAGACAAAGGGCCCTCTGGCCCGCTTCTCCATCGGCTTTGCGCTCACCCTGGATA 721
Db 625 ATGAGAAGACAAAGGGCCCTCTGGCCCGCTTCTCCATCGGCTTTGCGCTCACCCTGGATA 684
QY 722 TCCTGCTGGGGCGGCTGTGCTGAGAGGTGATGATGCCGCTTCCGCTGCTTGTGGACCTG 781
Db 685 TCCTGCTGGGGCGGCTGTGCTGAGAGGTGATGATGCCGCTTCCGCTGCTTGTGGACCTG 744
QY 782 CCGTGGTGGCCCAACCACTGGAACTTCCACTGATCTACTGCTGGGGCCCACTCTCTGGCTG 841
Db 745 CCGTGGTGGCCCAACCACTGGAACTTCCACTGATCTACTGCTGGGGCCCACTCTCTGGCTG 804
QY 842 GCTGCTTGTGAGTCTCATTTAGTGTCTTCTTGGAGATGGGAGACCGGCTCTATCC 901
Db 805 GCTGCTTGTGAGTCTCATTTAGTGTCTTCTTGGAGATGGGAGACCGGCTCTATCC 864
QY 902 TGAAGGCTCGGTGAAGCAGAGCTCGTGGATTCCTGCTGCTCCAGGTGCTCTCAGCTCAC 961
Db 865 TGAAGGCTCGGTGAAGCAGAGCTCGTGGATTCCTGCTGCTCCAGGTGCTCTCAGCTCAC 924
QY 962 CTGTCCAGACTGAGGACAGGGGAGTTCTGCTGCTTCTGCGGGCAGAGGCCAGAGG 1021
Db 925 CTGTCCAGACTGAGGACAGGGGAGTTCTGCTGCTTCTGCGGGCAGAGGCCAGAGG 984
QY 1022 AGCGACCCCTGCTTCCACTGCTTGGGCTGTGTTCTCAGATAGACTGACTGCTGAGGAG 1081
Db 985 AGCGACCCCTGCTTCCACTGCTTGGGCTGTGTTCTCAGATAGACTGACTGCTGAGGAG 1044
QY 1082 GCTCTAGGTTCTTGGAAATTCCTTGTGCTCATCAGAGACCCAGCTGGGGAAACACGCTG 1141
Db 1045 GCTCTAGGTTCTTGGAAATTCCTTGTGCTCATCAGAGACCCAGCTGGGGAAACACGCTG 1104
QY 1142 CCGCACTGCCAGAGAGAGCTGCAACCAACACAGAGCGTGTCTTCTGAGAGAAAT 1201
Db 1105 CCGCACTGCCAGAGAGAGCTGCAACCAACACAGAGCGTGTCTTCTGAGAGAAAT 1164
QY 1202 GTCCCGAGTGGACAGAGAGCTGTTCTGCACTCAGCTCATTTCCGACACCCCATTT 1261
Db 1165 GTCCCGAGTGGACAGAGAGCTGTTCTGCACTCAGCTCATTTCCGACACCCCATTT 1224
QY 1262 CTGTGTTGATGCTTTGTTGGGGCTGGGCCACTTCTTGTGCTTCTCAAGCTGACAAATCT 1321
Db 1225 CTGTGTTGATGCTTTGTTGGGGCTGGGCCACTTCTTGTGCTTCTCAAGCTGACAAATCT 1284
QY 1322 CACTTTGCAATAAATAGTCCAGTGTTC 1349
Db 1285 CACTTTGCAATAAATAGTCCAGTGTTC 1312

Qy	920	GAGCTCGTGGGATTCCTGCTGCTCCAGGTGTCCTCAGCTCACTGTGCCAGACTGAGGAC	979
Db	891	GAGCTCGTGGGATTCCTGCTGCTCCAGGTGTCCTCAGCTCACTGTGCCAGACTGAGGAC	950
Qy	980	AGGGGAGTTCCTGCAATTTCTGCTCCAGGGCAGAGGGCCAGAGGAGCGACCCCTGCTTCCA	1039
Db	951	AGGGGAGTTCCTGCAATTTCTGCTCCAGGGCAGAGGGCCAGAGGAGCGACCCCTGCTTCCA	1010
Qy	1040	CTGCTTTGGGCGCTGCTTTCTCAGATAGACTGACTGTGTGAGGAGGCTCTAGGTTCTTGGAAAT	1099
Db	1011	CTGCTTTGGGCGCTGCTTTCTCAGATAGACTGACTGTGTGAGGAGGCTCTAGGTTCTTGGAAAT	1070
Qy	1100	TCCTTTGTGCTCATCAGAGACCCAGCCTGGGGAAACACGCTGCGCGCACTGCCCCAGAGAG	1159
Db	1071	TCCTTTGTGCTCATCAGAGACCCAGCCTGGGGAAACACGCTGCGCGCACTGCCCCAGAGAG	1130
Qy	1160	CAGTGCMAAACACACACAGACGAGCGTGTTCCTTTGAGAGAAATGTCCCGAGTTGGACAAG	1219
Db	1131	CAGTGCMAAACACACACAGACGAGCGTGTTCCTTTGAGAGAAATGTCCCGAGTTGGACAAG	1190
Qy	1220	GAGGCTGTTTCTGCACATCAGAGCTCATTTCCCGCACCCCAATTTCTGCTGATTTGCTTTGT	1279
Db	1191	GAGGCTGTTTCTGCACATCAGAGCTCATTTCCCGCACCCCAATTTCTGCTGATTTGCTTTGT	1250
Qy	1280	TGGGGCGCTGGCCACTTCCTTGTCTCAAGCTGCAATTCCTCAATTAATAATAGT	1339
Db	1251	TGGGGCGCTGGCCACTTCCTTGTCTCAAGCTGCAATTCCTCAATTAATAATAGT	1310
Qy	1340	CCAGTGTTCCTTCC 1354	
Db	1311	CCAGTGTTCCTTCC 1325	

RESULT 6
 US-09-925-299-67
 ; Sequence 67, Application US/09925299
 ; Publication No. US20030040617A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 ; FILE REFERENCE: PA102
 ; CURRENT APPLICATION NUMBER: US/09/925,299
 ; CURRENT FILING DATE: 2001-08-10
 ; PRIOR APPLICATION NUMBER: PCT/US00/05883
 ; PRIOR FILING DATE: 2000-03-08
 ; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12
 ; NUMBER OF SEQ ID NOS: 1556
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 67
 ; LENGTH: 1410
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-925-299-67

Query Match 89.6%; Score 1213.4; DB 10; Length 1410;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1214; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	140	AGATAGCCATGTGTGAGCTGGAATTTGGCAATGACAAGCCAGGAGCGGAGCTGGGTG	199
Db	111	AGATAGCCATGTGTGAGCTGGAATTTGGCAATGACAAGCCAGGAGCGGAGCTGGGTG	170
Qy	200	GCAGGTGGCGAGTGTCTTGTAACGAACGGTTTGTGACGCCATGTCTGTCGAACTGCTGG	259
Db	171	GCAGGTGGCGAGTGTCTTGTAACGAACGGTTTGTGACGCCATGTCTGTCGAACTGCTGG	230
Qy	260	GCTCTGCTCTTCTCATCTTCATTCGCGGTGCTGCTGGTCAATTGAGATGGGACGACACTG	319
Db	231	GCTCTGCTCTTCTCATCTTCATTCGCGGTGCTGCTGGTCAATTGAGATGGGACGACACTG	290
Qy	320	GAGTGTGTCAGCGCGGCCCTTGGCCACAGGCGCTGGCTTTTGGGGCTGTGTGATTCGCCACGCTGG	379

Db 291 GGTGTGTCAGCGCGCCCTGGCCCAACGGCTGGCTTTGGGGCTGTGATGCTGACGCTGG 350
QY 380 GGAATATCAGTGGTGACACTTCAACCTCGCGGTGCTCCCTGGCAGCCATGCTGATCGGAG 439
Db 351 GGAATATCAGTGGTGACACTTCAACCTCGCGGTGCTCCCTGGCAGCCATGCTGATCGGAG 410
QY 440 GCTCAACCTGTGTGATGCTCCCTGCTACTGGGTCTCAAGCTGTCTGGGGGGATGCTTCG 499
Db 411 GCTCAACCTGTGTGATGCTCCCTGCTACTGGGTCTCAAGCTGTCTGGGGGGATGCTTCG 470
QY 500 GGGCTGCTTGGCCAGGCGGTGAGTCTCTGAGGAGGCTTCTGGGAATGATCATCTGGGGGG 559
Db 471 GGGCTGCTTGGCCAGGCGGTGAGTCTCTGAGGAGGCTTCTGGGAATGATCATCTGGGGGG 530
QY 560 CTTTGTGACAGTCCAGGAGCAGGGGCGAGTGGCAGGGGCGTGTGGTGCAGAGATCATCC 619
Db 531 CTTTGTGACAGTCCAGGAGCAGGGGCGAGTGGCAGGGGCGTGTGGTGCAGAGATCATCC 590
QY 620 TGACGACGCTGTGGCCCTGGCTGTATGATGGGTGCCATCATGAGAGAGCAAGGGGCC 679
Db 591 TGACGACGCTGTGGCCCTGGCTGTATGATGGGTGCCATCATGAGAGAGCAAGGGGCC 650
QY 680 CTCTGGCCCGCTTCTCCATCGGCTTGGCGTCAACCGTGGATATCTGGCTGGGGCGCTG 739
Db 651 CTCTGGCCCGCTTCTCCATCGGCTTGGCGTCAACCGTGGATATCTGGCTGGGGCGCTG 710
QY 740 TGTCTGGAGGCTGCATGAAATCCCGCCCGTGTGTTGGACCTGCGGTGGGCCCAACCACT 799
Db 711 TGTCTGGAGGCTGCATGAAATCCCGCCCGTGTGTTGGACCTGCGGTGGGCCCAACCACT 770
QY 800 GGAACCTTCCACTGGATCTACTGCTGGGCGCACTCTGCTGGCTGCTTGTGGACTGC 859
Db 771 GGAACCTTCCACTGGATCTACTGCTGGGCGCACTCTGCTGGCTGCTTGTGGACTGC 830
QY 860 TCATTAGTGTCTCATTTGAGATGGAAGACCGGCTCATCTGAGGCTCGGTGAAGCA 919
Db 831 TCATTAGTGTCTCATTTGAGATGGAAGACCGGCTCATCTGAGGCTCGGTGAAGCA 890
QY 920 GAGCTGTGGGATTTCTGTGCTGCTCCAGGTGCTCAGCTCAGCTGCTCCAGCTGAGGAC 979
Db 891 GAGCTGTGGGATTTCTGTGCTGCTCCAGGTGCTCAGCTCAGCTGCTCCAGCTGAGGAC 950
QY 980 AGGGAGTTCTTGCATTTCTGCTCAGGCGCAGAGGCGCAGAGGCGACCCCTGCTTCCA 1039
Db 951 AGGGAGTTCTTGCATTTCTGCTCAGGCGCAGAGGCGCAGAGGCGACCCCTGCTTCCA 1010
QY 1040 CTGCTTGGCCCTGCTTCTCAGATGACATGATGAGAGGCTCTAGGTCTTGGAAAT 1099
Db 1011 CTGCTTGGCCCTGCTTCTCAGATGACATGATGAGAGGCTCTAGGTCTTGGAAAT 1070
QY 1100 TCCTTTGTGCTCATCAGAGACCCAGCTGCGGGAACACGCTGCCGCACTGCCAGAGAG 1159
Db 1071 TCCTTTGTGCTCATCAGAGACCCAGCTGCGGGAACACGCTGCCGCACTGCCAGAGAG 1130
QY 1160 CAGTGCAACACACAAACAGAGCGGTGTTTCTGAGAGGAAATGTCCTCCGAGTTGACAAAG 1219
Db 1131 CAGTGCAACACACAAACAGAGCGGTGTTTCTGAGAGGAAATGTCCTCCGAGTTGACAAAG 1190
QY 1220 GAGGCTGTTTCTGACATCAGCTCATTTCCCGCACCCATTTCTGTGATGCTTGT 1279
Db 1191 GAGGCTGTTTCTGACATCAGCTCATTTCCCGCACCCATTTCTGTGATGCTTGT 1250
QY 1280 TGGGGCCCTGGCCACTTCTCTCAAGCTGCAATTTCTCACTTTGCAATTAATAGT 1339
Db 1251 TGGGGCCCTGGCCACTTCTCTCAAGCTGCAATTTCTCACTTTGCAATTAATAGT 1310
QY 1340 CCAGTGTTCCTTCC 1354
Db 1311 CCAGTGTTCCTTCC 1325

US-10-023-896-40
; Sequence 40, Application US/10023896
; Publication No. US2003002776A1
; GENERAL INFORMATION:
; APPLICANT: Victor Roschke
; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
; FILE REFERENCE: PA004P1
; CURRENT APPLICATION NUMBER: US/10/023,896
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: unassigned
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: PCT/US00/23794
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152,296
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/158,003
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 40
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-023-896-40
Query Match 89.6%; Score 1213.4; DB 14; Length 1410;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1214; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 140 AGATAGCCATGTGTGAGCCTGAATTTGGCAATGACAGCGCCAGGAGGAGCGGCGGTG 199
Db 111 AGATAGCCATGTGTGAGCCTGAATTTGGCAATGACAGCGCCAGGAGGAGCGGCGGTG 170
QY 200 GCAGGTGGCGAGTGTCTGTGTAAGAACGTTTGTGACGACATGTCTGTGTGAACTGTCTG 259
Db 171 GCAGGTGGCGAGTGTCTGTGTAAGAACGTTTGTGACGACATGTCTGTGTGAACTGTCTG 230
QY 260 GCTCTGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 319
Db 231 GCTCTGCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 290
QY 320 GCTCTGCTCAGCGCGCCTTGGCCACCGGCTGTCTTCTTCTTCTTCTTCTTCTTCTTCTT 379
Db 291 GCTCTGCTCAGCGCGCCTTGGCCACCGGCTGTCTTCTTCTTCTTCTTCTTCTTCTTCTT 350
QY 380 GGAATATCAGTGGTGACACTTCAACCTCGCGGTGCTCCCTGGCAGCCATGCTGATCGGAG 439
Db 351 GGAATATCAGTGGTGACACTTCAACCTCGCGGTGCTCCCTGGCAGCCATGCTGATCGGAG 410
QY 440 GCCTCAACCTGTGTGATGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 499
Db 411 GCCTCAACCTGTGTGATGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 470
QY 500 GGGCTGCTTGGCCAGGCGGTGAGTCTCTGAGGAGGCTTCTGGAATGATCATCTGGGGGG 559
Db 471 GGGCTGCTTGGCCAGGCGGTGAGTCTCTGAGGAGGCTTCTGGAATGATCATCTGGGGGG 530
QY 560 CTTTGTGACAGTCCAGGAGCAGGGGCGAGTGGCAGGGGCGTGTGGTGGCAGAGATCATCC 619
Db 531 CTTTGTGACAGTCCAGGAGCAGGGGCGAGTGGCAGGGGCGTGTGGTGGCAGAGATCATCC 590
QY 620 TGACGACGCTGTGGCCCTGGCTGTATGATGGGTGCCATCATGAGAGAGCAAGGGGCC 679
Db 591 TGACGACGCTGTGGCCCTGGCTGTATGATGGGTGCCATCATGAGAGAGCAAGGGGCC 650
QY 680 CTCTGGCCCGCTTCTCCATCGGCTTGGCGTCAACCGTGGATATCTGGCTGGGGCGCTG 739
Db 651 CTCTGGCCCGCTTCTCCATCGGCTTGGCGTCAACCGTGGATATCTGGCTGGGGCGCTG 710
QY 740 TGTCTGGAGGCTGCATGAAATCCCGCCCGTGTGTTGGACCTGCGGTGGGCCCAACCACT 799
Db 711 TGTCTGGAGGCTGCATGAAATCCCGCCCGTGTGTTGGACCTGCGGTGGGCCCAACCACT 770

Db 1251 TGGGGGCGCTGGCCACTTCTTGTCTCAAGCTGACAAATCTCACTTTGCAATAAATAGT 1310
Qy 1340 CCAGTGTTCCTTCC 1354
Db 1311 CCAGTGTTCCTTCC 1325

RESULT 9

US-10-216-408-16

; Sequence 16, Application US/10216408

; Publication No. US20030013159A1

; GENERAL INFORMATION:

; APPLICANT: COHEN, MAURICE

; COLPITTS, TRACEY L.

; FRIEDMAN, PAULA N.

; GRANADOS, EDWARD N.

; KLASS, MICHAEL R.

; RUSSELL, JOHN C.

; STROUPE, STEVEN D.

; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL

; FOR DETECTING DISEASE OF THE GASTROINTESTINAL

; TRACT

; NUMBER OF SEQUENCES: 27

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Abbott Laboratories

; STREET: 100 Abbott Park Road

; CITY: Abbott Park

; STATE: IL

; COUNTRY: USA

; ZIP: 60064-3500

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FASTSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/216,408

; FILING DATE: 09-Aug-2002

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/959,634

; FILING DATE: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Becker, Cheryl L.

; REGISTRATION NUMBER: 35,441

; REFERENCE/DOCKET NUMBER: 6188.US.01

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 847/935-1729

; TELEFAX: 847/938-2623

; TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 16:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1314 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; SEQUENCE DESCRIPTION: SEQ ID NO: 16:

US-10-216-408-16

Query Match 89.4%; Score 1210.2; DB 14; Length 1314;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1206; Conservative 8; Mismatches 1; Indels 0; Gaps 0;

Qy 140 AGATAGCCATGTGTGAGCCCTGAATTTGGCAATGACAAAGCCAGGCGAGCGGTGGGTG 199
Db 100 AGATAGCCATGTGTGAGCCCTGAATTTGGCAATGACAAAGCCAGGCGAGCGGTGGGTG 159
Qy 200 GCAGGTGGCAGTGTCTGTGTAGAACGGTTTGTGAGCCATGTCTGTGTGCAACTGTCTGG 259
Db 160 GCAGGTGGCAGTGTCTGTGTAGAACGGTTTGTGAGCCATGTCTGTGTGCAACTGTCTGG 219

Qy 260 GCTCTGCTCTCTTTCATCTTTCATCGGGTGCCTCTCGGTCAATGAGAAATGGACGACACTG 319
Db 220 GCTCTGCTCTCTTTCATCTTTCATCGGGTGCCTCTCGGTCAATGAGAAATGGACGACACTG 279
Qy 320 GGCTGTGTGAGCGCGCCCTGGCCACGGGCTGGCTTTGGGGTCTGTTGGCCACGCTGG 379
Db 280 GGCTGTGTGAGCGCGCCCTGGCCACGGGCTGGCTTTGGGGTCTGTTGGCCACGCTGG 339
Qy 380 GGAATATCAGTGTGTGACACTTCAACCCCTGCGGTGTCTTGGCAGCCATGTGTGATCGGAG 439
Db 340 GGAATATCAGTGTGTGACACTTCAACCCCTGCGGTGTCTTGGCAGCCATGTGTGATCGGAG 399
Qy 440 GCCTCAACCTGTGTGATGCTCCCTCCGTACTGAGTCTCAAGCTGTCTCGGGGGATGCTCG 499
Db 400 GCCTCAACCTGTGTGATGCTCCCTCCGTACTGAGTCTCAAGCTGTCTCGGGGGATGCTCG 459
Qy 500 GGGCTGCTTTGGCCAAAGGCGGTGAGTCTCTGAGGAGAGGTTCTTGGAAATGATCTGGGGCGG 559
Db 460 GGGCTGCTTTGGCCAAAGGCGGTGAGTCTCTGAGGAGAGGTTCTTGGAAATGATCTGGGGCGG 519
Qy 560 CTTTGTGACATCTCAGGAGCAGGGCAGGTGGCAGGGCGGTGGTGGCAGAGATCATCC 619
Db 520 CTTTGTGACATCTCAGGAGCAGGGCAGGTGGCAGGGCGGTGGTGGCAGAGATCATCC 579
Qy 620 TGACGACGCTGTGCGCCCTGGCTGTATGATCATGGGTGCCATCAATGAGAAGACAAAGGGCC 679
Db 580 TGACGACGCTGTGCGCCCTGGCTGTATGATCATGGGTGCCATCAATGAGAAGACAAAGGGCC 639
Qy 680 CTCTGGCCCGCTTCTCCATCGGCTTTGGCGTCACTCGGTGATATCTTGGCTGGGGGCGCTG 739
Db 640 CTCTGGCCCGCTTCTCCATCGGCTTTGGCGTCACTCGGTGATATCTTGGCTGGGGGCGCTG 699
Qy 740 TGTCTGGAGGCTGCATGAATCCCGCCCGTCTTTTGGACTCGCGTGGTGGCCAAACCACT 799
Db 700 TGTCTGGAGGCTGCATGAATCCCGCCCGTCTTTTGGACTCGCGTGGTGGCCAAACCACT 759
Qy 800 GGAACCTTCCACTGATCTACTGCTGGGCGCACTCTCTGCTGCGCTGCTTGTGTGACTGC 859
Db 760 GGAACCTTCCACTGATCTACTGCTGGGCGCACTCTCTGCTGCGCTGCTTGTGTGACTGC 819
Qy 860 TCATTAGGTGCTTCATTTGGAGATGGGAAGACCGCCCTCATCTGAGGCTCGGTGAAGA 919
Db 820 TCATTAGGTGCTTCATTTGGAGATGGGAAGACCGCCCTCATCTGAGGCTCGGTGAAGA 879
Qy 920 GAGCTGTGGGATTCCTGTCTTCCAGGTGTCTCTCAGCTCACCTGTCCAGACTGAGGAC 979
Db 880 GAGCTGTGGGATTCCTGTCTTCCAGGTGTCTCTCAGCTCACCTGTCCAGACTGAGGAC 939
Qy 980 AGGGAGTTCTGCAATTCCTGCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1039
Db 940 AGGGAGTTCTGCAATTCCTGCGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 999
Qy 1040 CTGCTTGGGCGCTGCTTCTCAGATAGACTGACTGTCTGAGGAGGCTCTAGGTTCTTGGAA 1099
Db 1000 CTGCTTGGGCGCTGCTTCTCAGATAGACTGACTGTCTGAGGAGGCTCTAGGTTCTTGGAA 1059
Qy 1100 TCTTTGTGTCTATCAGAGACCCAGCTGGGGAAACGCTGCCCGCATCTGCCAGAGAG 1159
Db 1060 TCTTTGTGTCTATCAGAGACCCAGCTGGGGAAACGCTGCCCGCATCTGCCAGAGAG 1119
Qy 1160 CAGTGAACACACCAACACGAGCGGTGTTCTTGGAGGAAATGTCCTCCAGTTGGACAAG 1219
Db 1120 CAGTGAACACACCAACACGAGCGGTGTTCTTGGAGGAAATGTCCTCCAGTTGGACAAG 1179
Qy 1220 GAGCTGTCTTCTGCAATCAGCTCATTTCCCGCAACCCCAATTTCTGCTTGTGATGCTTTGT 1279
Db 1180 GAGCTGTCTTCTGCAATCAGCTCATTTCCCGCAACCCCAATTTCTGCTTGTGATGCTTTGT 1239
Qy 1280 TGGGGGCTGGCCACTTCTTCTGCTCTCAAGCTGCAATTTCTCAGTTTCAATAATAGT 1339
Db 1240 TGGGGGCTGGCCACTTCTTCTGCTCTCAAGCTGCAATTTCTCAGTTTCAATAATAGT 1299
Qy 1340 CCAGTGTTCCTTCC 1354

Db 628 GGATATCATGTGGTGAACACTTCAACCTCGGGTGTCCCTGCGACGCCATGCTGATCGGAG 687
 Qy 440 GCTCAACCTGGTGTGCTCTCTCCCTGCTACTGGGTCTTCAAGCTGCTCGGGGGATGCTCG 499
 Db 688 GCTCAACCTGGTGTGCTCTCTCCCTGCTACTGGGTCTTCAAGCTGCTCGGGGGATGCTCG 747
 Qy 500 GGGCTGCTTGGCCAGGCGGTGAGTCTTCAAGAGAGGTTCTGGAATGATCTGGGGGG 559
 Db 748 GGGCTGCTTGGCCAGGCGGTGAGTCTTCAAGAGAGGTTCTGGAATGATCTGGGGGG 807
 Qy 560 CTTTGTGACAGTCCAGAGCAGGCGAGTGGCAGGGGCGTGTGGCAGAGATCATCC 619
 Db 808 CTTTGTGACAGTCCAGAGCAGGCGAGTGGCAGGGGCGTGTGGCAGAGATCATCC 867
 Qy 620 TGACGAGCTGCTGGCCCTGGCTGTATGATGGTGGCCATCAATGAGAAGCAAGAGGCC 679
 Db 868 TGACGAGCTGCTGGCCCTGGCTGTATGATGGTGGCCATCAATGAGAAGCAAGAGGCC 927
 Qy 680 CTCTGGCCCTGCTTCCATCGGCTTGGCGTCAACGCTGATATCTGGCTGGGGCCCTG 739
 Db 928 CTCTGGCCCTGCTTCCATCGGCTTGGCGTCAACGCTGATATCTGGCTGGGGCCCTG 987
 Qy 740 TGTCTGAGGCTGCATGAATCCCGCCGCTGCTTTTGGACCTGCGGTGGCCCAACCACT 799
 Db 988 TGTCTGAGGCTGCATGAATCCCGCCGCTGCTTTTGGACCTGCGGTGGCCCAACCACT 1047
 Qy 800 GGAACCTTCCACTGGTCTACTGGCTGGGCCCACTCTCTGGCTGGCCCTGCTTGTGAGTGC 859
 Db 1048 GGAACCTTCCACTGGTCTACTGGCTGGGCCCACTCTCTGGCTGGCCCTGCTTGTGAGTGC 1107
 Qy 860 TCATTAGTGTCTTCAATTGGAGATGGGAAGACCCGCTCATCTGAAGGCTCGGTGAAGCA 919
 Db 1108 TCATTAGTGTCTTCAATTGGAGATGGGAAGACCCGCTCATCTGAAGGCTCGGTGAAGCA 1167
 Qy 920 GAGCTGTGGGATTCCTGCTCTCAGAGTGTCTCAGTGTCACTGCTGCTGGCTGCTTGTGAGTGC 979
 Db 1168 GAGCTGTGGGATTCCTGCTCTCAGAGTGTCTCAGTGTCACTGCTGCTGGCTGCTTGTGAGTGC 1227
 Qy 980 AGGGAGTTCCTGCTATTCCTGCGAGGCGAGAGCCCGCTCATCTGAAGGCTCGGTGAAGCA 1039
 Db 1228 AGGGAGTTCCTGCTATTCCTGCGAGGCGAGAGCCCGCTCATCTGAAGGCTCGGTGAAGCA 1287
 Qy 1040 CTGCTGGGCTGCTTCTCAGATAGACTGCTGAGAGGCTCTAGTGTCTTGGAAAT 1099
 Db 1288 CTGCTGGGCTGCTTCTCAGATAGACTGCTGAGAGGCTCTAGTGTCTTGGAAAT 1347
 Qy 1100 TCCTTTGTGCTCATCAGAGACCCAGCTTGGGAACACGCTGCCCGCACTGCCCAGAGAG 1159
 Db 1348 TCCTTTGTGCTCATCAGAGACCCAGCTTGGGAACACGCTGCCCGCACTGCCCAGAGAG 1407
 Qy 1160 CAGTGCAAAACCAACACACAGAGCGTGTCTTGGAGAGATGTCCCGAGTTCGACAAG 1219
 Db 1408 CAGTGCAAAACCAACACACAGAGCGTGTCTTGGAGAGATGTCCCGAGTTCGACAAG 1467
 Qy 1220 GAGGCTGTTCTGCAATCAGCTCATCTCCCGACCCCAATTCCTGCTTGAATGCTTTGT 1279
 Db 1468 GAGGCTGTTCTGCAATCAGCTCATCTCCCGACCCCAATTCCTGCTTGAATGCTTTGT 1527
 Qy 1280 TGGGGGCTGGCCACTTCTGCTTCTCAAGCTGACATCTCT - CACTTGGCAATTAATAG 1338
 Db 1528 TGGGGGCTGGCCACTTCTGCTTCTCAAGCTGACATCTCT - CACTTGGCAATTAATAG 1587
 Qy 1339 TCCAGTGTTCCTTCC 1354
 Db 1588 TCCAGTGTTCCTTCC 1603

RESULT 13
 US-10-295-027-459
 ; Sequence 459, Application US/10295027
 ; Publication No. US2003023250A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Afar, Daniel

APPLICANT: Aziz, Natasha
 APPLICANT: Ginsberg, Wendy M.
 APPLICANT: Gish, Kurt C.
 APPLICANT: Glynn, Richard
 APPLICANT: Hevez, Peter A.
 APPLICANT: Mack, David H.
 APPLICANT: Murray, Richard
 APPLICANT: Watson, Susan R.
 APPLICANT: Eos Biotechnology, Inc.
 TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
 TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
 FILE REFERENCE: 018501-012500US
 CURRENT APPLICATION NUMBER: US/10/295,027
 CURRENT FILING DATE: 2002-11-13
 PRIOR APPLICATION NUMBER: US 09/663,733
 PRIOR FILING DATE: 2000-09-15
 PRIOR APPLICATION NUMBER: US 60/350,666
 PRIOR FILING DATE: 2001-11-13
 PRIOR APPLICATION NUMBER: US 60/335,394
 PRIOR FILING DATE: 2001-11-15
 PRIOR APPLICATION NUMBER: US 60/332,464
 PRIOR FILING DATE: 2001-11-21
 PRIOR APPLICATION NUMBER: US 60/334,393
 PRIOR FILING DATE: 2001-11-29
 PRIOR APPLICATION NUMBER: US 60/340,376
 PRIOR FILING DATE: 2001-12-14
 PRIOR APPLICATION NUMBER: US 60/347,211
 PRIOR FILING DATE: 2002-01-08
 PRIOR APPLICATION NUMBER: US 60/347,349
 PRIOR FILING DATE: 2002-01-10
 PRIOR APPLICATION NUMBER: US 60/355,250
 PRIOR FILING DATE: 2002-02-08
 PRIOR APPLICATION NUMBER: US 60/356,714
 PRIOR FILING DATE: 2002-02-13
 Remaining Prior Application data removed - See File Wrapper or PALM.
 NUMBER OF SEQ ID NOS: 1386
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 459
 LENGTH: 1309
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-295-027-459

Query Match 88.7%; Score 1200.4; DB 15; Length 1309;
 Best Local Similarity 99.18%; Pred. No. 0;
 Matches 1212; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
 Qy 140 AGATAGCCATGTGTGAGCTGAATTTGGCAATGACAGGCCAGGAGCGGAGCGGTGGTG 199
 Db 95 AGATAGCCATGTGTGAGCTGAATTTGGCAATGACAGGCCAGGAGCGGAGCGGTGGTG 154
 Qy 200 GAGGTGGCGAGTGTCTGTGTACGAACCGTTTGTGACGCCATGTCTGTGCAATCTCTGG 259
 Db 155 GAGGTGGCGAGTGTCTGTGTACGAACCGTTTGTGACGCCATGTCTGTGCAATCTCTGG 214
 Qy 260 GCTCTGCTCTCTCTCATCTTCACTGCGGTGCTTCACTGAGATCGGAGCGGAGCGG 319
 Db 215 GCTCTGCTCTCTCTCATCTTCACTGCGGTGCTTCACTGAGATCGGAGCGGAGCGG 274
 Qy 320 GGTCTGTGACGCCGCTTGGCCACGCGGCTGGCTTTGGGGCTCTGTGATTGCAAGCTGG 379
 Db 275 GGTCTGTGACGCCGCTTGGCCACGCGGCTGGCTTTGGGGCTCTGTGATTGCAAGCTGG 334
 Qy 380 GGAATATCAGTGTGGACACTTCAACCTGCGGTGCTTGGAGCGGAGCGGAGCGGAG 439
 Db 335 GGAATATCAGTGTGGACACTTCAACCTGCGGTGCTTGGAGCGGAGCGGAGCGGAG 394
 Qy 440 GCTCAACCTGCTGATGCTCTCTCCGCTAGTGGGTCTCAAGCTGCTCGGGGGGATGCTCG 499
 Db 395 GCTCAACCTGCTGATGCTCTCTCCGCTAGTGGGTCTCAAGCTGCTCGGGGGGATGCTCG 454
 Qy 500 GGGCTGCTTGGCCAGGCGGTGAGTCTTGAAGAGAGGTTCTGGAATGATCTGGGGCGG 559

Db 455 GGGCTGCTTTGGCCAGGTTGGTCTCTGAGGAGGTTCTGGAATGCACTCTGGGGCG 514
 Qy 560 CTTTGTGACAGTCCAGGAGCAGGTCAGGGGTTGGTGGCAGAGTATCTCC 619
 Db 515 CTTTGTGACAGTCCAGGAGCAGGTCAGGGGTTGGTGGCAGAGTATCTCC 574
 Qy 620 TGACGAGCTGCTGGCCCTGGCTGTATGCAATGGTGCCTCAATGAGAGACAAAGGGCC 679
 Db 575 TGACGAGCTGCTGGCCCTGGCTGTATGCAATGGTGCCTCAATGAGAGACAAAGGGCC 634
 Qy 680 CTTTGGCCCTGCTCCATCGGCTTGGCTGACCGTGCATCTCTGGCTGGGGCCCTG 739
 Db 635 CTTTGGCCCTGCTCCATCGGCTTGGCTGACCGTGCATCTCTGGCTGGGGCCCTG 694
 Qy 740 TGCTGAGGCTGCAATGAAATCCCGCCCTGCTTTTGGACCTGCGGTGGGCAACCACT 799
 Db 695 TGCTGAGGCTGCAATGAAATCCCGCCCTGCTTTTGGACCTGCGGTGGGCAACCACT 754
 Qy 800 GGAATCTCCACTGATCTAGTCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGG 859
 Db 755 GGAATCTCCACTGATCTAGTCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGG 814
 Qy 860 TCATTAGGCTCTTCAITGGAGATGGGAGAACCCGCTCTCATCTGAAGGCTCGGTGAAGCA 919
 Db 815 TCATTAGGCTCTTCAITGGAGATGGGAGAACCCGCTCTCATCTGAAGGCTCGGTGAAGCA 873
 Qy 920 GAGCTCGTGGATCTCTGCTGCTCCAGGTTCTCAGCTCACTGCTCCAGACTGAGGAC 979
 Db 874 GAGCTCGTGGATCTCTGCTGCTCCAGGTTCTCAGCTCACTGCTCCAGACTGAGGAC 933
 Qy 980 AGGGAGTCTCTGCAATTTCTGCGCAGGCGAGAGCCAGAGAGGAGAGCCCTGCTTCCA 1039
 Db 934 AGGGAGTCTCTGCAATTTCTGCGCAGGCGAGAGCCAGAGAGGAGAGCCCTGCTTCCA 993
 Qy 1040 CTGCTGGGCTGCTTCTCAGATAGACTGCTGCTGAGAGGCTCTAGGTTCTTGGAT 1099
 Db 994 CTGCTGGGCTGCTTCTCAGATAGACTGCTGCTGAGAGGCTCTAGGTTCTTGGAT 1053
 Qy 1100 TCCTTTGCTCATCAGAGACCCAGCTGGGAGAACAGCTGCGGCTGCTGCTTCCA 1159
 Db 1054 TCCTTTGCTCATCAGAGACCCAGCTGGGAGAACAGCTGCGGCTGCTGCTTCCA 1113
 Qy 1160 CAGTGAACACACACACAGCGTGTCTTTGAGAGGAAATGTCCTCCAGTGGACAAG 1219
 Db 1114 CAGTGAACACACACACAGCGTGTCTTTGAGAGGAAATGTCCTCCAGTGGACAAG 1173
 Qy 1220 GAGGCTGTTCTGCAATCAGCTCATTTCCGACCCCAATTTCTGCTTGTATGCTTGT 1279
 Db 1174 GAGGCTGTTCTGCAATCAGCTCATTTCCGACCCCAATTTCTGCTTGTATGCTTGT 1233
 Qy 1280 TGGGGGCTGGCCACTTCTGCTTCTCAAGCTGCAATTTCTCACTTTGCAATAAATAGT 1339
 Db 1234 TGGGGGCTGGCCACTTCTGCTTCTCAAGCTGCAATTTCTCACTTTGCAATAAATAGT 1293
 Qy 1340 CCAGTGTTCCTTC 1353
 Db 1294 CCAGTGTTCCTTC 1307

RESULT 14
 US-10-396-943-6/c
 ; Sequence 6, Application US/10396943
 ; Publication No. US20030158085A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Walker, Michael G.
 ; APPLICANT: Klinger, Tod M.
 ; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
 ; FILE REFERENCE: PC-0012 CIP
 ; CURRENT APPLICATION NUMBER: US/10396, 943
 ; CURRENT FILING DATE: 2003-03-24
 ; PRIOR APPLICATION NUMBER: US/09/610, 906
 ; PRIOR FILING DATE: 2000-07-06

; PRIOR APPLICATION NUMBER: 09/226, 994
 ; PRIOR FILING DATE: 1999-01-07
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 6
 ; LENGTH: 562
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: incyte ID No. US20030158085A1 227165F1
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: 525, 550
 ; OTHER INFORMATION: a, t, c, g, or other
 ; PUBLICATION INFORMATION:
 US-10-396-943-6

Query Match 35.0%; Score 473.8; DB 14; Length 562;
 Best Local Similarity 95.4%; Pred. No. 2,6e-130;
 Matches 521; Conservative 0; Mismatches 18; Indels 7; Gaps 3;
 Qy 816 CTACTGCTGGGCGCA--CTCTGGCTGGCTGCTTGTGG---ACTGCTCATTAGGTC 870
 Db 546 CTACTGCTGGGCGCAACTCCTGGCTGGCTGCTTGTGGAACTGCTCATTAGGTC 487
 Qy 871 TTCAATTGGA--GATGGGAAGACCCGCTCTCATCTGAAGGCTCGGTGAAGCAGAGCTCGTG 928
 Db 486 TTCAATTGGAAGATGGGAAGACCCGCTCTCATCTGAAGCTCGGTGAAGCAGAGCTCGTG 427
 Qy 929 GGATTCCTGCTGCTCAGGTGCTCTCAGCTCAGCTGCTCCAGACTGAGGAGGAGT 988
 Db 426 GGATTCCTGCTGCTCAGGTGCTCTCAGCTCAGCTGCTCCAGACTGAGGAGGAGT 367
 Qy 989 CTTGCAATTTCTGCTCAGGCGCAGAGGCGCCAGAGAGGAGCGCCCTGCTTCCACTGCTTGG 1048
 Db 366 CTTGCAATTTCTGCTCAGGCGCAGAGGCGCCAGAGAGGAGCGCCCTGCTTCCACTGCTTGG 307
 Qy 1049 CTTGCTTTCTCAGATAGACTGCTGCTGAGAGGCTCTAGGTTCTTGGAAATTCCTTTGG 1108
 Db 306 CTTGCTTTCTCAGATAGACTGCTGCTGAGAGGCTCTAGGTTCTTGGAAATTCCTTTGG 247
 Qy 1109 CTATCAGAGACCCCGCTGCGGAAACAGCTGCGCGCACTGCGCCAGAGAGCAGTCAAA 1168
 Db 246 CTATCAGAGACCCCGCTGCGGAAACAGCTGCGCGCACTGCGCCAGAGAGCAGTCAAA 187
 Qy 1169 CACCAACACAGAGCGGTTCTTGTGAGAGAAATGTCCTCCAGTGGACAAGAGGCTGT 1228
 Db 186 CACCAACACAGAGCGGTTCTTGTGAGAGAAATGTCCTCCAGTGGACAAGAGGCTGT 127
 Qy 1229 TCTGCACTCAGCTCATTTTCCCGCACCCCAATTTCTGCTTGTATGCTTGTGGGGCT 1288
 Db 126 TCTGCACTCAGCTCATTTTCCCGCACCCCAATTTCTGCTTGTATGCTTGTGGGGCT 67
 Qy 1289 GGCACCTTCTGCTTCTCAAGCTGCAATTTCTCACTTTGCAATAAATAGTCCAGTGT 1348
 Db 66 GGCACCTTCTGCTTCTCAAGCTGCAATTTCTCACTTTGCAATAAATAGTCCAGTGT 7
 Qy 1349 CTTTC 1354
 Db 6 CTTTC 1

RESULT 15
 US-09-803-719-2329
 ; Sequence 2329, Application US/09803719
 ; Publication No. US20030044783A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Williams, Lewis T.
 ; APPLICANT: Escobedo, Jaime
 ; APPLICANT: Innis, Michael A.
 ; APPLICANT: Garcia, Pablo Dominquez
 ; APPLICANT: Sudduth-Klinger, Julie

APPLICANT: Reinhard, Christoph
APPLICANT: Giese, Klaus
APPLICANT: Randazzo, Filippo
APPLICANT: Kennedy, Giulia C.
APPLICANT: Pot, David
APPLICANT: Kassam, Altaf
APPLICANT: Lamson, George
APPLICANT: Drmanac, Radoje
APPLICANT: Cirkvenjakov, Radomir
APPLICANT: Dickson, Mark
APPLICANT: Drmanac, Snezana
APPLICANT: Labat, Ivan
APPLICANT: Leshkowitz, Dena
APPLICANT: Kita, David
APPLICANT: Garcia, Veronica
APPLICANT: Jones, Lee William
APPLICANT: Stache-Crain, Birgit
TITLE OF INVENTION: Human Genes and Gene Products
FILE REFERENCE: 1624.002
CURRENT APPLICATION NUMBER: US/09/803,719
PRIOR FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/188,609
PRIOR FILING DATE: 2000-03-09
NUMBER OF SEQ ID NOS: 2396
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2329
LENGTH: 321
TYPE: DNA
ORGANISM: Homo sapiens
US-09-803-719-2329

Query Match 23.3%; Score 315.2; DB 10; Length 321;
Best Local Similarity 99.1%; Pred. No. 2.7e-83;
Matches 317; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY	668	AGACAAAGGCGCCTCTGGCCCGTTCTCCATGGGTTTCCCGTCACCGTGGATATCCTGG	727
DB	1	AGACAAAGGCGCCTCTGGCCCGTTCTCCATGGGTTTCCCGTCACCGTGGATATCCTGG	60
QY	728	CTGGGGGCGCTGTGCTGGAGCTGCATGAATCCGCGCGCTTTGGACCTGGGTGG	787
DB	51	CTGGGGGCGCTGTGCTGGAGCTGCATGAATCCGCGCGCTTTGGACCTGGGTGG	120
QY	788	TGGCCAAACACTGGAACTTCCACTGGATCTACTGGCTGGGCGCCACTCCTGGCTGGCCTGC	847
DB	121	TGGCCAAACACTGGAACTTCCACTGGATCTACTGGCTGGGCGCCACTCCTGGCTGGCCTGC	180
QY	848	TGTTGGACTGCTCATTTAGGTGCTTCATTGGAGATGGGAAGACCGGCTCATCCTGAAG	907
DB	181	TGTTGGACTGCTCATTTAGGTGCTTCATTGGAGATGGGAAGACCGGCTCATCCTGAAG	240
QY	908	CTCGGTGAAGCAGAGCTCGTGGGATTCTGCTGCCAGGTGTCCTCAGCTCACCTGTC	967
DB	241	CTCGGTGAAGCAGAGCTCGTGGGATTCTGCTGCCAGGTGTCCTCAGCTCACCTGTC	300
QY	968	CAGACTGAGGACAGGGAGT	987
DB	301	CAGACTAAGACAGGGAGT	320

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Job time : 455.047 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model
Run on: February 18, 2004, 19:09:54 ; Search time 126.75 Seconds
(without alignments)
2561.312 Million cell updates/sec

Title: US-09-864-711-14
Perfect score: 585
Sequence: 1 MAEAGNASTVSLGGANMA.....TVRFHFNQADYKQKLQNY 585

Scoring table: OLIGO Xgapop 60.0, Xgapext 60.0
Ygapop 60.0, Ygapext 60.0
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 682709 seqs, 277475446 residues

Word size: 1

Total number of hits satisfying chosen parameters: 1360453

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Command line parameters:

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-DB=Issued Patents.NA -QWMT=fastap -SUPFIX=oli.rn1 -MINMATCH=0.1 -LOOPCU=0
-LOOPEXT=0 -UNITS=Bits -START=1 -END=1 -MATRIX=oligo -TRANS=human40.cdd
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-NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Issued Patents.NA.*

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5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	585	100.0	2917	4	US-09-907-794A-189
2	585	100.0	2917	4	US-09-905-135A-189
3	585	100.0	2917	4	US-09-902-775A-189
4	201	34.4	892	4	US-09-833-381-1918
5	104	17.8	518	4	US-09-833-381-1917
6	40	6.8	167	1	US-08-700-575-39
7	15	2.6	47	4	US-09-907-794A-193
8	15	2.6	47	4	US-09-905-135A-193
9	15	2.6	47	4	US-09-902-775A-193
10	8	1.4	252	4	US-09-328-352-3619
11	8	1.4	501	4	US-09-894-998A-13
12	8	1.4	603	4	US-09-328-352-3514

c 13	8	1.4	681	4	US-09-540-236-1039	Sequence 1039, Ap
c 14	8	1.4	761	4	US-09-894-998A-53	Sequence 53, Appl
c 15	8	1.4	1089	4	US-09-453-702B-241	Sequence 241, App
c 16	8	1.4	1260	1	US-07-866-979-3	Sequence 3, Appli
c 17	8	1.4	1260	2	US-08-466-906B-3	Sequence 3, Appli
c 18	8	1.4	1260	3	US-08-706-281A-3	Sequence 3, Appli
c 19	8	1.4	1260	3	US-09-201-746-3	Sequence 3, Appli
c 20	8	1.4	1260	3	US-09-097-231-3	Sequence 3, Appli
c 21	8	1.4	1260	4	US-09-353-099-3	Sequence 3, Appli
c 22	8	1.4	1293	4	US-09-489-039A-3416	Sequence 3416, Ap
c 23	8	1.4	2859	2	US-08-506-340A-2	Sequence 2, Appli
c 24	8	1.4	3423	4	US-08-471-112A-2	Sequence 2, Appli
c 25	8	1.4	5430	3	US-09-012-515A-11	Sequence 11, Appl
c 26	8	1.4	5430	3	US-08-360-144A-11	Sequence 11, Appl
c 27	8	1.4	5430	4	US-09-012-504A-11	Sequence 11, Appl
c 28	8	1.4	5430	4	US-09-012-399A-11	Sequence 11, Appl
c 29	8	1.4	5802	4	US-09-341-587-4	Sequence 4, Appli
c 30	8	1.4	5943	4	US-09-976-594-272	Sequence 272, App
c 31	8	1.4	6534	3	US-09-194-613-4	Sequence 4, Appli
c 32	8	1.4	7653	4	US-08-471-112A-1	Sequence 1, Appli
c 33	8	1.4	7824	5	PCT-US95-06722-11	Sequence 11, Appl
c 34	8	1.4	8598	4	US-08-305-790B-1	Sequence 1, Appli
c 35	8	1.4	11958	3	US-09-134-246-8	Sequence 8, Appli
c 36	8	1.4	28720	4	US-09-341-587-7	Sequence 7, Appli
c 37	8	1.4	289223	4	US-09-596-002-41	Sequence 41, Appli
c 38	8	1.4	4403765	3	US-09-103-840A-2	Sequence 2, Appli
c 39	8	1.4	4411529	3	US-09-103-840A-1	Sequence 1, Appli
c 40	7	1.2	36	3	US-09-386-607-5	Sequence 5, Appli
c 41	7	1.2	47	4	US-09-422-978-2783	Sequence 2783, Ap
c 42	7	1.2	78	1	US-08-281-229A-3	Sequence 3, Appli
c 43	7	1.2	78	1	US-08-281-229A-4	Sequence 4, Appli
c 44	7	1.2	78	1	US-08-281-229A-6	Sequence 6, Appli
c 45	7	1.2	78	1	US-08-281-229A-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1

US-09-907-794A-189
; Sequence 189, Application US/09907794A
; Patent No. 6635468

; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Baton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/907,794A

; CURRENT FILING DATE: 2001-07-17

; PRIOR APPLICATION NUMBER: PCT/US00/04414

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; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-794A-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

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Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAenProSerGluAenCysThrTrpThrIle 40
Db 1090 GAGACCCCAAAAGCCATGATCTCCGCAACTCAATCCCAAGTGAAGTCACTCCACCTGGCAATA 1149

Qy 41 GluArgProGluAenLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAGACCAAGAAACAAAGCATCAGAAATTAATTTCTATGTCCAGCTTGATCCAGAT 1209

Qy 61 GlySerCysGluSerGluAenIleLysValPheAspGlyThrSerSerAenGlyProLeu 80
Db 1210 GGAAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACCTCCACGAATGGGCTCTG 1269

Qy 81 LeuGlyGlnValCysSerLysAenAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGAGTAAACAGCACTATGTTCTCTGATTTTGAATCATCATCCAGTACA 1329

Qy 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
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Qy 121 TyrPhePheSerProAenIleSerIleProAenCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTTCTCTCTAACAATCTCTATTCDAATGTGGGGTGTACTGATGACTTTGGAA 1449

Qy 141 GlySerPheThrSerProAenTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
Db 1450 GGATCCTTCCACAGCCCAATTAACCAAGCCGATCTGAGCTGGCTATTGTGTGTGG 1509

Qy 161 HistIleGlnValGluLysAspTyrLysIleLysLeuAenPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAGTGGAGAAAGATTACAGATAAAATAAATCTTCAAGAGATTTCCTTAGAA 1569

Qy 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAenSer 200
Db 1570 ATAGACAAACAGTCAAAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629

Qy 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAenSer 220
Db 1630 GGCTGATTGGCAAGTCTGTGGCCGTGTGACTCCCACTTGAATCGTCATCAAACTCT 1689

Qy 221 LeuThrValValLeuSerThrAspTyrAlaAenSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTCTCGTGTGTCTACAGATTATGCCAATTTCTACGGGGATTTCTGCTTCTTAC 1749

Qy 241 ThrSerIleTyrAlaGluAenIleAenThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGAGAAACATCAACACTACATCTTTAACTTGTCTTCTGCAGAGATG 1809

Qy 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAenSerAsnGlyAenAenLeuGln 280
Db 1810 AGAGTTATTATAGCAAAATCTTACCTAGAGGCTTTTAACTCTAATGGGAATTAATTCGA 1869

Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAGAGACCCAACTTGCAGACCAAAATTTATCAATGTGTGGAATTTCTGTCCCTCT 1929

Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrThrAenIleIle 320
Db 1930 AATGGATGTGTACAAATCAGAAAGGTAGAGATCAGTCAATTAATTTACCACTAATAATTC 1989

Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTTCTCACTCTCACTCTGAGGTGATGATCACCCTGAGAAACAACTCCAGATTAT 2049

Qy 341 ValLysCysGluMetGlyHisAenSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAAATGGACATAATTTCTACAGTGGAGATAATATACATAACAGAGATGAT 2109

Qy 361 ValIleGlnSerGlnAenAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCACCTGGGCAATATATACACCAGCATGGCTCTTTTGAATCC 2169

Qy 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAenGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTATCTTGAATCACCATATATATGTGGATTGTGAACCAAACTCT 2229

Qy 401 PheValGlnValSerLeuHisThrSerAspProAenLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACTCGATCCAAATTTGGTGGTGTCTTCTGATCTCT 2289

Qy 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCCTCTCCCACTCTGACTTGCATCTCAACCTACGACCTAATCAAGAGTGGATGT 2349

Qy 441 SerArgAspGluThrCysValSerValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCGAGATGAATCTTGAAGTGTATCCCTTATTTGGACACTATGGAGATTCAGTTT 2409

Qy 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCCCTTTAAATTTCTTGAGAGATGATGAGCTCTGTGTATCTGAGTGTAAAGTTTGTATA 2469

```

QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGACCAACAGTCTCGTCAATCAAGGTGTGTCTCCAGAAAGCAACGA 2529
QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTCTTCATATAATGAAACACAGATTCCATCATAGGACCCATCTGTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGlnThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGCAAGTGGCAATTCAGGATTTTCAGCATGAAACACATCGCGGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCTTCAACAGTGTGCATCTGTTTCTCTCATGCTGTAGCTCTGAATGTGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCGACATCACAGTGGCCATTTTGTAAATCAACGGGCGACACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AGCTGCAGAACTAT 2784

RESULT 2

US-09-905-125A-189
Sequence 189, Application US/09905125A
Patent No. 6664376
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/905,125A
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-905-125A-189
Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-09-864-711-14 (1-585) x US-09-905-125A-189 (1-2917)
QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGGAGCTGCAAGCCATCAAGCTGCACAGTCAGTCAGTCTAGGGGGTCCATATGGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTCTGCAACTCAATCCAGTCAGTCACTGACCTGGACAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCCAGAAACAAAGATCAAGATTAATCTTTCTATGTCCAGTTGATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAAGTGAAACATTAAGTCTTTGACGGAACTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAGTAAACCGACTATGTTCTGTATTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAGAGAACTGTCTTTGTCTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCTAATCATCTTATTCCTCAACTGTGGGGGTACCTGGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
Db 1450 GGATCTCTTCCAGAGCCCAATACCAAGCCGCATCTCTAGCTGCTGCTATTGTGTGTG 1509
QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
Db 1510 CACATACAAAGTGGAGAAAGATTACAAGATAAACTAAACTTCAAGAGATTTTCTTAGAA 1569

QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
DB 1570 ATAGACAAACAGTGGCAAAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
DB 1630 GGCCTGATGGCAAGTGTGGCGGTGACCTCCACCTTCGAATCGTCATCAAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
DB 1690 CTGACTGTCTGTGTCTACAGATATGCCAATCTTACCGGGGATTTTCTGCTTCTCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
DB 1750 ACCTCAATTTATGCGAAACATCAACACTACATCTTTAACTTGTCTTCTGACAGGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
DB 1810 AGAGTTATTAAGCAATCTCTACCTAGAGGCTTTTAACTCTAATGGGAATTAATTGCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
DB 1870 CTAAAGACCCAACTTGCAGACCAAAATATCAAAATGTTGTGGAATTTCTGTCCCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
DB 1930 AATGATGTGGTACAAATCAGAAAGTAGAAGATCAGTCAATTAATTAATTAATTAATTAAT 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
DB 1990 ACCTTTTCTGCTCTCAACTCTCAAGTGTATCACCCTCAGAAACAACTCCAGATTATT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
DB 2050 GTGAAGTGTGAATGGGCAATTAATTTACAGTGGAGATAATATACATAACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
DB 2110 GTAATCAAAAGTCAAAATGCCTGGCAAAATATACACAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
DB 2170 AATTCATTGAAAGACTATATCTGAATCACCATATTATGTGGATTTGAACCAAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValPheLeuAspThrCys 420
DB 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTGTATCTCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
DB 2290 AGAGCTCTCCACCTCTGACTTGCATCTCCAACTACGACCTAATCAAGATGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
DB 2350 ACTCAGATGAACTTTGTAAGGTGATCCCTTATTTGGACACTATGGGAGATTCAGTTT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
DB 2410 AATGCTTTTAATTTCTGAGAAGTATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGTATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
DB 2470 TGTGATAGCAGTGACCAACAGTCTCGCTGCAATCAAGGTGTGTCTCCAGAAAGCAACGA 2529
QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
DB 2530 GACATTTCTTCATATAAATGGAACAGATTCATCATAGGCCCAATCTGCTCGAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
DB 2590 GATCGAAGTGAAGTGGCAATTCAGGATTTACGATGAACACATGCGGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPhePheMetValLeuAlaLeuAsnValVal 560

DB 2650 AACCAAGCTTTCAACAGATGTGATCTGTTTCTTCTCATGTTCTAGCTCTGAATGGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
DB 2710 ACTGTAGCACAATCACAGTGAAGCATTTTGTAAATCAACGGGCAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
DB 2770 AAGCTGCAGACTAT 2784
RESULT 3
US-09-902-775A-189
; Sequence 189, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095

; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-902-775A-189

Alignment Scores:

Pred. No.: 0 Length: 2917
 Score: 585.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-902-775A-189 (1-2917)

QY	1	MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla	20
DB	1030	ATGGCGGAGGCTGAAGGCAATCAAGCTGCACAGTCAGTCTAGGGGGTGCCTAATATGCA	1089
QY	21	GluThrHisLeuAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTriThrIle	40
DB	1090	GAGACCCCAAGGCCATGATCTGCACTCAATCCAGTGAGAACTGCACCTGGCAATA	1149
QY	41	GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAsnProAsp	60
DB	1150	GAAGACCAAGAAACAAAGCAATCAAGTATATCTTCTATGTCAGCTGATCCAGAT	1209
QY	61	GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu	80
DB	1210	GGAGCTGTGAAGTGAAGCAATTAAGTCTTTGACGGAACCTCCAGCAATGGGCTCTG	1269
QY	81	LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr	100
DB	1270	CTAGGGCAAGTCTGCAGTAAACAGCACTATGTTCTCTGATTGTAATCATCATCCAGTACA	1329
QY	101	LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr	120
DB	1330	TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATCAAGAACTGCTTTTGTCTCTAC	1389
QY	121	TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu	140
DB	1390	TACTTCTCTCTTCAACATCTTATTCAAACTGTGGCGGTACCTGGATACCTTGAA	1449
QY	141	GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr	160
DB	1450	GGATCTTTCACAGCCCAATTAACCAAGCGCATCTGAGCTGGCTTATTGTTGTGG	1509
QY	161	HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu	180
DB	1510	CACATACAGTGGAGAAGATTACAAGATAAACTAACTTCAAGAGATTTCCTAGAA	1569
QY	181	IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer	200
DB	1570	ATAGACAAACAGTGCATTTGATTTTCTTGCCATCATGATGGCCCTCCACCAACTCT	1629
QY	201	GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer	220
DB	1630	GGCCGTGATGGCAAGTCTGTGGCGTGTGACTCCACCTTCGAATCGTCATCAAACTCT	1689
QY	221	LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr	240
DB	1690	CTGACTGTGTGTCTACAGATTATGCCAATTTCTTACCGGGGATTTCTGTCTTCTAC	1749
QY	241	ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet	260

DB	1750	ACCTCAATTTATGAGAAACATCAACATACATCTTTAACTTGCTCTCTGACAGATG	1809
QY	261	ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln	280
DB	1810	AGAGTTATTATAAGCAATCTACCTAGAGGCTTTAACTCTAAATGGGAATTAATTGCA	1869
QY	281	LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu	300
DB	1870	CTAAAGAGACCAACTTGCAGACCAAAATATCAAAATTTGTGGAAATTTCTGTCCCTCTT	1929
QY	301	AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle	320
DB	1930	AATGGATGGTACATCAATCAGAAAGTAGAAGTCACTCAATTTACCAATATAATATC	1989
QY	321	ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle	340
DB	1990	ACCTTTTCTGATCTCTCAACTCTGAAGTGATCACCCGTGAGAAACAACTCCAGATTAT	2049
QY	341	ValLysCysGluMetGlyHisAsnSerThrValGluIleIleIleTyrIleThrGluAsp	360
DB	2050	GTGAGTGTGAATGGGACATAATTTCTAGTGGAGATAATATACATAACAGAAATGAT	2109
QY	361	ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer	380
DB	2110	GTAATACAAAGTCAAAATGCACCTGGGCAATATACACAGCATGGCTCTTTTGAATCC	2169
QY	381	AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu	400
DB	2170	AATTCATTGAAAGACTATCTTGAATCACATATTATGTGGATTGTGAACAAACTCTT	2229
QY	401	PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys	420
DB	2230	TTTGTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGTGTCTTCTGATACCTGT	2289
QY	421	ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys	440
DB	2290	AGAGCTCTCCACCTCTGATCTTGCATCTCCAACTCAGACCTAATCAAGAGTGGATGT	2349
QY	441	SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe	460
DB	2350	AGTCCAGATGAAACTTGTGAAGGTGATATCCCTTATTGGACACTATGGGAGATTCCAGTT	2409
QY	461	AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle	480
DB	2410	AATGCCCTTTAAATTTCTGAGAAGTATGAGTCTGTGTATCTGCAGTGTAAAGTTTGATA	2469
QY	481	CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg	500
DB	2470	TGTGATAGCAGTGACCACTGCTGCTGCAATCAAGGTGTGTCTCCAGAAAGCAACGA	2529
QY	501	AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg	520
DB	2530	GACATTTCTCATATAATGAAACACATTCATCATAGACCCCATTCGTCTGTAAGAGG	2589
QY	521	AspArgSerAlaSerGlyLysSerGlyPheGlnHisGluThrHisAlaGluGluThrPro	540
DB	2590	GATCCAGTGCAGTGGCAATTCAGATTTCAGCATGAAACACATGCGGAAAGAACTCCA	2649
QY	541	AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal	560
DB	2650	AACCGACCTTTCACAGATGTGATCTGTCTTCTCTATGGTTCATGCTCTAGTCTCTGA	2709
QY	561	ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln	580
DB	2710	ACTGTAGCGCAATCACAGTGGAGCATTTTGTAAATCAACCGGACAGACTACAAATACCA	2769
QY	581	LysLeuGlnAsnTyr	585
DB	2770	AAGCTGCAGAACTAT	2784

RESULT 4
 US-09-833-381-1918

Sequence 1918, Application US/09833381
Patent No. 6672186
GENERAL INFORMATION:
APPLICANT: Robison, Keith E.
TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/833,381
CURRENT FILING DATE: 2001-04-11
PRIOR APPLICATION NUMBER: 09/516,448
PRIOR FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1918
TYPE: DNA
LENGTH: 892
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(892)
OTHER INFORMATION: n = A, T, C or G
US-09-833-381-1918

Alignment Scores:
Pred. No.: 1,47e-194 Length: 892
Score: 201.00 Matches: 201
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 34.36% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-833-381-1918 (1-892)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
DB 70 ATGGCGAGCGCTGAAGGCAATCAAGCTGCACAGTCAGTCTAGGGGGTGCCTAATGGCA 129
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTriphrile 40
DB 130 GAGACCCACAAAGCCATGATCTGCACTCATCCAGTGAAGTGCACCTGCACATA 189
QY 41 GluArgProGluAsnLysSerIleArgIlePheSerTyValGlnLeuAspProasp 60
DB 190 GAAAGACCAAGAAACAAAAGCATCAGAAATATCTTTCTATGTCCAGCTTGATCCAGAT 249
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
DB 250 GGAGCTGTGAAGTGAAACAAATTAAGCTTTTGACGGAACTCCAGCAATGGGCTCTG 309
QY 81 LeuGlyGlnValCysSerLysAsnAspTyValProValPheGluSerSerSerThr 100
DB 310 CTAGGCAAGTCTGCAGTAAACAGACTATGTTCTGTATTTGAATCATCATCCAGTACA 369
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTy 120
DB 370 TTGACGTTTCAATAGTACTGACTCAGCAAGAAATTCAAAGAACTGTCTTTGTCTTCTAC 429
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyLeuAspThrLeuGlu 140
DB 430 TACTTTCTCTCTACATCTCTATTCCAAACTGTGGGGTACTCTGGATACCTTGAA 489
QY 141 GlySerPheThrSerProAsnTyProLysProHisProGluLeuAlaTyCysValTrp 160
DB 490 GGATCTCTCACCAGCCCAATACCCAAAGCCGATCTCTGAGCTGGCTTATTGTGTGG 549
QY 161 HisIleGlnValGluLysAspTyValLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
DB 550 CACATACAGTGGAGAAAGATTAACAGATTAACACTTCAAGAGATTTTCTTAGAA 609
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyAspGlyProSerThrAsnSer 200
DB 610 ATAGACAAACAGTGCAAAATTTGATTTTCTTGCACTATGATGGCCCTCCCACTCT 669
QY 201 Gly 201

Db 670 GGC 672
RESULT 5
US-09-833-381-1917
Sequence 1917, Application US/09833381
Patent No. 6672186
GENERAL INFORMATION:
APPLICANT: Robison, Keith E.
TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
FILE REFERENCE: 5800-119
CURRENT APPLICATION NUMBER: US/09/833,381
CURRENT FILING DATE: 2001-04-11
PRIOR APPLICATION NUMBER: 09/516,448
PRIOR FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 2050
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1917
TYPE: DNA
LENGTH: 518
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(518)
OTHER INFORMATION: n = A, T, C or G
US-09-833-381-1917

Alignment Scores:
Pred. No.: 2,45e-96 Length: 518
Score: 104.00 Matches: 104
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 17.78% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-833-381-1917 (1-518)

QY 57 LeuAspProAspGlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSer 76
DB 82 CTGTATCCAGATGAAGAGCTGTGAAGTGAACATTAAGTCTTTGACGGACCTCCAGC 141
QY 77 AsnGlyProLeuLeuGlyGlnValCysSerLysAsnAspTyValProValPheGluSer 96
DB 142 AATGGGCTCTGTAGGCAAGTCTGCAGTAAACAGACTATGTTCTCTGTATTTGAATCA 201
QY 97 SerSerSerThrLeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrVal 116
DB 202 TCATCCAGTACATGTACGTTCAATAGTATCTGACTCAGCAAGATTCAAAGAACTGTC 261
QY 117 PheValPheTyThrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyLeu 136
DB 262 TTTGTCTTCTACTACTTCTCTCTCTTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 321
QY 137 AspThrLeuGluGlySerPheThrSerProAsnTyProLysProHisProGluLeuAla 156
DB 322 GATACCTTGAAGGATCTTCCACGACCAATATCCCAAGCCGATCTCTGAGCTGGCT 381
QY 157 TyCysValTrp 160
DB 382 TATTGTGTGG 393

RESULT 6
US-08-700-575-39
Sequence 39, Application US/08700575
Patent No. 5817479
GENERAL INFORMATION:
APPLICANT: Au-Young, Janice
APPLICANT: Bandman, Olga
APPLICANT: Hawkins, Phillip R.
APPLICANT: Wilde, Craig G.
TITLE OF INVENTION: NOVEL HUMAN KINASE HOMOLOGS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 PORTER DRIVE

CITY: PALO ALTO

STATE: CA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/700,575

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: BILLINGS, LUCY J

REGISTRATION NUMBER: 36749

REFERENCE/DOCKET NUMBER: SP-100 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:

LENGTH: 167 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

IMMEDIATE SOURCE:

LIBRARY: Pancreas

CLONE: 223163

US-08-700-575-39

Alignment Scores:
Pred. No.: 7,36e-32 Length: 167
Score: 40.00 Matches: 54
Percent Similarity: 98.18% Conservative: 0
Best Local Similarity: 98.18% Mismatches: 1
Query Match: 6.84% Indels: 1
DB: 1 Gaps: 0

US-09-864-711-14 (1-585) x US-08-700-575-39 (1-167)

QY 255 CysSerSerAspArgMetArgValIleIleSerLysSerTyLeuGluAlaPheAsnSer 274

Db 3 TGCTCTCTGCAGGATGAGAGTATTATAGCAAAATCCTACTAGAGGCTTTAACTCT 62

QY 275 AsnGlyAsnAsnLeuGlnLeuLysAspProThrCysArgProLysLeuSerAsnValVal 294

Db 63 AATGGGAATAACTTGCACCTAAAGACCCCACTTCGACACCAAAATTTCAAAATGTTGTG 122

QY 295 GluPheSerValProLeuAsnGlyCysGlyThrIleArgLysVal 309

Db 123 GA-TTTTCTGTCCTCTTAATGATGTGTGTACAAATCAGAAAGGTA 166

RESULT 7

US-09-907-794A-193

Sequence 193, Application US/09907794A

Patent No. 6635468

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.

APPLICANT: Ashkenazi, Avi

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Cao, Wei-Quang

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, A.

APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth J.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,794A
PRIOR FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 193
LENGTH: 47
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: oligonucleotide probe
US-09-907-794A-193

Alignment Scores:

Pred. No.: 5,02e-07 Length: 47
Score: 15.00 Matches: 15
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 2.56% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-794A-193 (1-47)

QY 140 GluGlySerPheThrSerProAsnTyProLysProHisProGlu 154

Db 2 GAAGGATCCTTCACGAGCCCAATTACCAAGCCGATCCTGAG 46

RESULT 8

US-09-905-125A-193

; Sequence 193, Application US/09905125A

; Patent No. 6664376

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kijavlin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/905,125A

; CURRENT FILING DATE: 2001-07-12

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26

; PRIOR APPLICATION NUMBER: US 60/146,222

; PRIOR FILING DATE: 1999-07-28

; PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08

; PRIOR APPLICATION NUMBER: PCT/US99/20944

; PRIOR FILING DATE: 1999-09-13

; PRIOR APPLICATION NUMBER: PCT/US99/21090

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/21547

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/23089

; PRIOR FILING DATE: 1999-10-05

; PRIOR APPLICATION NUMBER: PCT/US99/28214

; PRIOR FILING DATE: 1999-11-29

; PRIOR APPLICATION NUMBER: PCT/US99/28313

; PRIOR FILING DATE: 1999-11-30

; PRIOR APPLICATION NUMBER: PCT/US99/28564

; PRIOR FILING DATE: 1999-12-02

; PRIOR APPLICATION NUMBER: PCT/US99/28565

; PRIOR FILING DATE: 1999-12-02

; PRIOR APPLICATION NUMBER: PCT/US99/30095

; PRIOR FILING DATE: 1999-12-16

; PRIOR APPLICATION NUMBER: PCT/US99/30911

; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US99/30999

; PRIOR FILING DATE: 1999-12-20

; PRIOR APPLICATION NUMBER: PCT/US00/00219

; PRIOR FILING DATE: 2000-01-05

; NUMBER OF SEQ ID NOS: 423

; SEQ ID NO 193

; TYPE: DNA

; LENGTH: 47

; ORGANISM: Artificial Sequence

; FEATURE: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: oligonucleotide probe

US-09-905-125A-193

Alignment Scores:

Pred. No.: 5,02e-07

Score: 15.00

Percent Similarity: 100.00%

Best Local Similarity: 100.00%

Query Match: 2,56%

DB: 4

Length: 47

Matches: 15

Conservatives: 0

Indels: 0

Gaps: 0

US-09-864-711-14 (1-585) x US-09-905-125A-193 (1-47)

Qy 140 GluGlySerPheThrSerProAsnTyrProLysProHisProGlu 154

Db 2 GAAGGATCCTTCACGAGCCCAATTACCAAGCCGATCCTGAG 46

RESULT 9

US-09-902-775A-193

; Sequence 193, Application US/09902775A

; Patent No. 6686451

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kijavlin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/902,775A

; CURRENT FILING DATE: 2001-07-10

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26

; PRIOR APPLICATION NUMBER: US 60/146,222

; PRIOR FILING DATE: 1999-07-28

; PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08

; PRIOR APPLICATION NUMBER: PCT/US99/20944

; PRIOR FILING DATE: 1999-09-13

; PRIOR APPLICATION NUMBER: PCT/US99/21090

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/21547

;; PRIOR FILING DATE: 1999-09-15
;; PRIOR APPLICATION NUMBER: PCT/US99/23089
;; PRIOR FILING DATE: 1999-10-05
;; PRIOR APPLICATION NUMBER: PCT/US99/28214
;; PRIOR FILING DATE: 1999-11-29
;; PRIOR APPLICATION NUMBER: PCT/US99/28313
;; PRIOR FILING DATE: 1999-11-30
;; PRIOR APPLICATION NUMBER: PCT/US99/28564
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/28565
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/30095
;; PRIOR FILING DATE: 1999-12-16
;; PRIOR APPLICATION NUMBER: PCT/US99/30911
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US99/30999
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US00/00219
;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 193
;; LENGTH: 47
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;; OTHER INFORMATION: oligonucleotide probe
US-09-902-775A-193

Alignment Scores:
Pred. No.: 5,02e-07 Length: 47
Score: 15.00 Matches: 15
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 2.56% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-902-775A-193 (1-47)

QY 140 GluGlySerPheThrSerProAsnTyrProLysProHisProGlu 154
DB 2 GAAGGATCTTCACCGAGCCCAATATCCCAAGCGCATCTGAG 46

RESULT 10

;; Sequence 3619, Application US/09328352
;; Patent No. 6562958
;; GENERAL INFORMATION:
;; APPLICANT: Gary L. Breton et al.
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
;; FILE REFERENCE: GTC99-03FA
;; CURRENT APPLICATION NUMBER: US/09/328,352
;; CURRENT FILING DATE: 1999-06-04
;; NUMBER OF SEQ ID NOS: 8252
;; SEQ ID NO 3619
;; LENGTH: 252
;; TYPE: DNA
;; ORGANISM: Acinetobacter baumannii
US-09-328-352-3619

Alignment Scores:
Pred. No.: 33.3 Length: 252
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-328-352-3619 (1-252)

QY 210 ValThrProThrPheGluSerSer 217

Db 198 GTTACGCCAACGTTTGAAAGCTCA 221

RESULT 11

;; US-09-894-998A-13/c
;; Sequence 13, Application US/09894998A
;; Patent No. 6537555
;; GENERAL INFORMATION:
;; APPLICANT: Hosken, Nancy Ann
;; APPLICANT: Craig H. Day
;; APPLICANT: David C. Dillon
;; APPLICANT: McGowan, Patrick
;; APPLICANT: Sleath, Paul R.
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
;; TITLE OF INVENTION: TREATMENT OF HERPES SIMPLEX VIRUS INFECTION
;; FILE REFERENCE: 210121.538
;; CURRENT APPLICATION NUMBER: US/09/894,998A
;; CURRENT FILING DATE: 2001-06-28
;; NUMBER OF SEQ ID NOS: 64
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 13
;; LENGTH: 501
;; TYPE: DNA
;; ORGANISM: Herpes simplex virus
US-09-894-998A-13

Alignment Scores:
Pred. No.: 65.4 Length: 501
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-894-998A-13 (1-501)

QY 232 SerTyrArgGlyPheSerAlaSer 239

Db 139 TCGTACAGGGGATTTTCGCTCG 116

RESULT 12

;; US-09-328-352-3514
;; Sequence 3514, Application US/09328352
;; Patent No. 6562958
;; GENERAL INFORMATION:
;; APPLICANT: Gary L. Breton et al.
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
;; FILE REFERENCE: GTC99-03FA
;; CURRENT APPLICATION NUMBER: US/09/328,352
;; CURRENT FILING DATE: 1999-06-04
;; NUMBER OF SEQ ID NOS: 8252
;; SEQ ID NO 3514
;; LENGTH: 603
;; TYPE: DNA
;; ORGANISM: Acinetobacter baumannii
US-09-328-352-3514

Alignment Scores:
Pred. No.: 78.4 Length: 603
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-328-352-3514 (1-603)

QY 210 ValThrProThrPheGluSerSer 217

Db 130 GTTACGCCAACGTTTGAAAGCTCA 153

RESULT 13

US-09-540-236-1039/c


```
; Sequence 1039, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 1039
; LENGTH: 681
; TYPE: DNA
; ORGANISM: M.catarrhalis
US-09-540-236-1039

Alignment Scores:
Pred. No.: 88.4 Length: 681
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-540-236-1039 (1-681)

QY 250 ThrThrSerLeuThrCysSerSer 257
Db 167 ACCACATCTTGACTTGCTTCG 144

RESULT 14
US-09-894-998A-53/c
; Sequence 53, Application US/09894998A
; Patent No. 6537555
; GENERAL INFORMATION:
; APPLICANT: Hosken, Nancy Ann
; APPLICANT: Craig H. Day
; APPLICANT: Davin C. Dillon
; APPLICANT: McGowan, Patrick
; APPLICANT: Sleath, Paul R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF HERPES SIMPLEX VIRUS INFECTION
; FILE REFERENCE: 210121.538
; CURRENT APPLICATION NUMBER: US/09/894,998A
; CURRENT FILING DATE: 2001-06-28
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 761
; TYPE: DNA
; ORGANISM: HSV-2
US-09-894-998A-53

Alignment Scores:
Pred. No.: 98.6 Length: 761
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-894-998A-53 (1-761)

QY 232 SerTyrArgGlyPheSerAlaSer 239
Db 399 TCGTACAGGGGATTTTCGGCTCG 376

RESULT 15
US-09-453-702B-241/c
; Sequence 241, Application US/09453702B
; Patent No. 6365723
; GENERAL INFORMATION:
; APPLICANT: Blattner, Frederick R.
```

```
; Burland, Valerie
; Perna, Nicole T.
; Plunkett, Guy
; Welch, Rod
; TITLE OF INVENTION: No. 6365723el Sequences of E. coli O157
; NUMBER OF SEQUENCES: 265
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch. 1.44Mb storage
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 8.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/453,702B
; FILING DATE: 03-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/110,955
; FILING DATE: 04-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 960296.95017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 251-5000
; TELEFAX: (608) 251-9166
; INFORMATION FOR SEQ ID NO: 241:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1089
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 241:
US-09-453-702B-241

Alignment Scores:
Pred. No.: 140 Length: 1089
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 1.37% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-14 (1-585) x US-09-453-702B-241 (1-1089)

QY 28 LeuGlnLeuAsnProSerGluAsn 35
Db 396 CTTCACTTAATCCCTCTGAAAT 373

Search completed: February 18, 2004, 21:53:08
Job time : 143.75 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - nucleic search, using frame_plus_p2n model
Run on: February 18, 2004, 21:36:38 ; Search time 605.196 Seconds
(without alignments)
3384.789 Million cell updates/sec

Title: US-09-864-711-14
Perfect score: 585
Sequence: 1 MAEAGNACTVSLGGANMA.....TVRFVNRADYKQKQLQNY 585

Scoring table: OLIGO
Xgapop 60.0, Xgapext 60.0
Ygapop 60.0, Ygapext 60.0
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 2308684 seqs, 1750822206 residues

Word size: 1

Total number of hits satisfying chosen parameters: 4610896

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Command line parameters:

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-DB=Published Applications NA -QFMT=fastap -SUPTX=oli.rnpb -MINMATCH=0.1
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-TRANS=human40.cdi -LIST=45 -DLOCALIGN=200 -THR SCORE=quality -THR MIN=1
-ALIGN=15 -MODE=LOCAL -OUTFMT=pco -NORM=ext -HEAPSIZE=500 -MINLEN=0
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-FGAPOP=6 -FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Published Applications NA:**

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17: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description

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2	585	100.0	2917	9	US-09-909-320-189	Sequence 189, App
3	585	100.0	2917	9	US-09-909-088B-189	Sequence 189, App
4	585	100.0	2917	9	US-09-905-291A-189	Sequence 189, App
5	585	100.0	2917	9	US-09-902-853-189	Sequence 189, App
6	585	100.0	2917	9	US-09-907-824-189	Sequence 189, App
7	585	100.0	2917	9	US-09-907-841-189	Sequence 189, App
8	585	100.0	2917	10	US-09-904-011-189	Sequence 189, App
9	585	100.0	2917	10	US-09-906-742-189	Sequence 189, App
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11	585	100.0	2917	10	US-09-907-613-189	Sequence 189, App
12	585	100.0	2917	10	US-09-907-942-189	Sequence 189, App
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16	585	100.0	2917	10	US-09-904-786-189	Sequence 189, App
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44	585	100.0	2917	10	US-09-906-760A-189	Sequence 189, App
45	585	100.0	2917	10	US-09-903-823-189	Sequence 189, App

ALIGNMENTS

RESULT 1
US-09-864-711-1
; Sequence 1, Application US/09864711
; Patent No. US2002007309A1
; GENERAL INFORMATION
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 1966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 223163CT1
; US-09-864-711-1

Alignment Scores: 0 Length: 1966
Pred. No.: 0

Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-864-711-1 (1-1966)

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Db 190 GAAGACCAAGAAACAAAGACATCAAGATATCTTTCTATGTCAGCTTGCATCCAGAT 249

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QY 81 LeuGlyGlnValCysSerLysAsnAspTrpValProValPheGluSerSerSerThr 100
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QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTrp 120
Db 370 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATCAAGAACTGCTTTGTTCTTCTAC 429

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Db 430 TACTTCTTCTCTCTTCAATCTCTATTCCTCAACTGTGGCGGTACTCTGGATACCTTGAA 489

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QY 161 HisIleGlnValGluLysAspTrpLysLysLeuAsnLysGluIlePheLeuGlu 180
Db 550 CACATACAAAGTGAGAAAGATATACAGATAAACTTAAACTTCAAGAAATTTCTCTAGAA 609

QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTrpAspGlyProSerThrAsnSer 200
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RESULT 2
US-09-909-320-189
Sequence 189, Application US/0909320
Patent No. US20020132240A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/909,320
CURRENT FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
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PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
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PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-909-320-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-909-320-189 (1-2917)

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1090 GAGACCCACAAAGCCATGATCTGCAATCAATCCAGTGAATCGCACATATA 1149
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Qy 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
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Qy 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
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Qy 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
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Qy 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle 320
Db 1930 AATGATGTGTGTACAAATCAGAAAGGTAGAGATCAGTCAATTAATTAACCAATATAATC 1989
Qy 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
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Qy 361 VallIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
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Qy 441 SerArgAspGlnThrCysValValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
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Qy 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTACCACCACTCTCGCTGCAATCAAGGTGTGTCTCCAGAAAGCAACGA 2529
Qy 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTCATATAATGTAACAGATTCATCATAGTACCCATTCGTCGAAAGG 2589
Qy 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGCAAGTGGCAATTCAGGATTTTCAGCATGAACACATCGCGAAGAACTCCA 2649
Qy 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCTTTCAACAGTGTGATCTGTTTCTTCAAGTGTGTCTGATGTGGTG 2709
Qy 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCAGCAATCACAGTGGCAATTTGTAAATCAACGGGCGAGACTACAAATACCAG 2769
Qy 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 3

US-09-909-088B-189
; Sequence 189, Application US/09909088B
; Patent No. US20020146709A1

GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-909-088B-189 (1-2917)

Qy 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyValAlaAsnMetAla 20
Db 1030 ATGGCGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCAGTCTAGGGGGTGCCAAATATGCA 1089
Qy 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTCGCAACTCAATCCAGGAGAACTGCACCTGGCAATA 1149
Qy 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCAGAAAACAAAGCATCAGATTATCTTCTTATGTCAGCTTGCATCCAGAT 1209
Qy 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAGAAACATTAAGTCTTTGACGGAACTCCAGCAATGGGCTCTG 1269
Qy 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100

Db 1270 CTAGGCAAGTCTGAGTAAACGACTAATGTTCTGTTATTTGAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGAGCTTTCAATAGTACTGACTCAGCAAGAAATTCAGAGAACTGCTTTGTTCTCTTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTTCAATCATCTTATTCCTCAAACTGTGGCGTTACTCGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProIysProHisProGluLeuAlaTyrCysValTyr 160
Db 1450 GGATCTCTCACCAGCCCAATACCCAAAGCCGATCTCTGAGTGGCTTATTTGTTGGTGG 1509
QY 161 HisIleGlnValGluIysAspTyrIleIysLeuAsnPheLeuGluIlePheLeuGlu 180
Db 1510 CATATACAGTGGAGAAAGATTACAGATAAACTAAACTTCAAGAGATTCTCTCTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGCAAAACAGTGCATTTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerAsnSer 220
Db 1630 GGCCTGATTGGACAAAGTCTGTGGCGGTGTGACTCCCACTTCGAATCTCATCAACTCT 1689
QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTCTGTGTCTACAGATTATGCCAATTTCTTACCGGGGATTTCTTGTCTCTCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTTATGCGAAACATCAACTACATCTTTAACTTCTCTCTCTGACAGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
Db 1810 AGAGTTATTATAAGCAATCTCTACCTAGAGCTTTTAACTCTAATGGGAATAACTTGCAG 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCCACTTGCAGACCAAAATATCAATGTTGTGGATTTCTTGTCTCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGGATCTGTACTAATCAGAAAGTAGAAGTCAAGTCAATTAATCAACCAATATAATC 1989
QY 321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
Db 1990 ACCTTTCTGCATCTCTCAACTCTGAGTGATCACCCGTCAAGAACCACTCCAGATTAT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAAGTGTGAATGGGACATAATCTACAGTGAGATATAATACATACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAAACAAAGTCAAAATGSCATGGGCAAAATATACACCAAGTGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTTGAAAGACTATCTTGATCAACATATATGTTGGATTTGAACCAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTCAAGTAGTCTCCACACTCAGATCCAAATTTGGTGGTGTCTTCTGTATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTCCCACTCTGATTTGATCTCCACCTTACGACCTTAATCAAGAGTGGATG 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCAGATGAACACTGTGAAGTGTATCCCTTTATTTGGACACTATGGAGATTCAGTTT 2409

QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTTAAATTTCTTGAGAGATGATGAGCTCTGTGATCTGCACTGTAAAGTTTGTATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTCAACCAAGTCTCGTCAATCAAGGTGTGTCTCCAGAGCAACGA 2529
QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTCATTAATGAGAAACAGATTCCATCATGAGACCCATCTGCTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluThrPro 540
Db 2590 GATCGAAGTCAAGTGGCAATTCAGATTTCAAGTCAATGAGACCATCTGCTCTGAAAGG 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCTTTCAACAGTGTGCATCTGTTTTCCTTTCATGTTCTAGCTCTGAATGTGGT 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGTAGCACAATCACAGTGAAGCATTTTGTAAATCAACGGCAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 4
US-09-905-291A-189
; Sequence 189, Application US/09905291A
; Patent No. US20020160374A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,291A
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594

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; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-291A-189

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Alignment Scores:
Fred. No.:          0      Length:      2917
Score:             585.00   Matches:      585
Percent Similarity: 100.0%   Conservative: 0
Best Local Similarity: 100.0% Mismatches:    0
Query Match:       100.0%   Indels:      0
DB:                9      Gaps:        0

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US-09-864-711-14 (1-585) x US-09-905-291A-189 (1-2917)

Qy	1	MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla	20
Db	1030	ATGCGGAGGCTGAAGCAATGCAAGCTGCACAGTCAGTCAGTGTAGGGGTGCCAATATGGCA	1089
Qy	21	GluThrHisIysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle	40
Db	1090	GAGACCCACAAGGCGATGATCCCTGCACTCAATCCCACTGAGAAGTCACCTCGACAATA	1149
Qy	41	GluArgProGluAsnLysSerIleAArgIleIlePheSerTyrValGlnLeuAspProAsp	60
Db	1150	GAAGAAGCCAGAAACAAAGCATCAGAAATATCTTTTCCTATGTCCAGCTTGATCCAGAT	1209
Qy	61	GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu	80
Db	1210	GGAAAGCTGTGAAGAGTGAACCAATTAAGTCTTTGACGGAAACCTCCAGCAATGGCCCTCTG	1269
Qy	81	LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr	100
Db	1270	CTAGGGCAAGCTGCGAGTAAACAGCACTATGTCTCTGTATTGATCATCATCTCAGTACA	1329
Qy	101	LeuThrPheGlnIleValThrAspSerAlaAargIleGlnArgThrValPheValPheTyr	120
Db	1330	TTGACGGTTTCAAAATAGTATTCTGACTCAGCAAGAAATTCAAAGAACTGTCTTGTCTCTAC	1389
Qy	121	TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu	140
Db	1390	TACTTCTCTCTCTCAACATCTCTATTCCAAACATGTGGCGGTGTACCTGGATACTTGGAA	1449
Qy	141	GlySerPheThrSerProAsnTyrProLysPheHisProGluLeuAlaTyrCysValTrp	160
Db	1450	GGATCTCTTACCAGCCCAATTATCCAAAGCCCATCTCAGCTGGCTTATTGTGTGTGG	1509

QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 |||||
 Db 2590 GATCGAGTGCAGTGGCAATTCAGGATTCAGCATGAACACATGCGGAGAACTCCA 2649
 |||||
 QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
 |||||
 Db 2650 AACCGCCCTTCAACAGTGTGCATCTGTTTCTCTTCATGTTCTAGTCTCTGAATGTGTG 2709
 |||||
 QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrIleValTyrGln 580
 |||||
 Db 2710 ACTGAGCGACAAATCACAGTGGGCATTTGTAAATCAACGGGCAGACTACAAAATACCAG 2769
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 QY 581 LysLeuGlnAsnTyr 585
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 Db 2770 AAGCTGCAGAACTAT 2784
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RESULT 5

US-09-902-853-189
 ; Sequence 189, Application US/09902853
 ; Publication No. US20020192659A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gab, Wei-Qiang
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: Kljavin, Ivar J.
 ; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James
 ; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann
 ; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel
 ; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/902,853
 ; CURRENT FILING DATE: 2001-07-10
 ; PRIOR APPLICATION NUMBER: US/09/665,350
 ; PRIOR FILING DATE: 2000-09-18
 ; PRIOR APPLICATION NUMBER: US 60/143,048
 ; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698
 ; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222
 ; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594
 ; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944
 ; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089
 ; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214
 ; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313
 ; PRIOR FILING DATE: 1999-11-30

; PRIOR APPLICATION NUMBER: PCT/US99/28564
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565
 ; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095
 ; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219
 ; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 ; US-09-902-853-189

Alignment Scores:
 Pred. No.: 0 Length: 2917
 Score: 585.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-902-853-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyValaAsnMetAla 20
 |||||
 Db 1030 ATGGCGGAGGCTGAAGCAATGCAAGCTGCACAGTCAGTCAGTGGGGGTGCCAATATGGCA 1089
 |||||
 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
 |||||
 Db 1090 GAGACCCCAAGCCATGATCTGCACTCAATCCAGTGAGAACTGCACCTGCACCAATA 1149
 |||||
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAsnProAsp 60
 |||||
 Db 1150 GAAAGCCAGAAACAAAGCATCAGAAATATCTTTTCCTATGTCAGCTTGATCCAGAT 1209
 |||||
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 |||||
 Db 1210 GGAAGCTGTGAAGTGAAACCAATTAAGTCCTTCACGGAACCTCCAGCAATGGCCCTCTG 1269
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 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 |||||
 Db 1270 CTAGGGCAAGCTGCAGTAAAGACGACTATGTTCTGTATTGTAATCATCATCCAGTACA 1329
 |||||
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 |||||
 Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAGAAAGACTGCTTTGTTCTTAC 1389
 |||||
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 |||||
 Db 1390 TACTTCTTCTCTCTTAACATCTCTATTCCAAACTGTGGCGGTACCTGGATACCTGGAA 1449
 |||||
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
 |||||
 Db 1450 GGATCTTCCACAGCCCAATTACCAAGCCGATCTCTGAGCTGGCTTATTGTGTGG 1509
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 QY 161 HisIleGlnValGluLysAspTyrIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 |||||
 Db 1510 CACATACAAAGTGAGAAAGATTACAGATAAACTTCAAGAGATTTTCTCTAGAA 1569
 |||||
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
 |||||
 Db 1570 ATAGCAAAAGAGTGCATTTGATTTCTTCCCATCATATGATGCCCTCCACCACTCT 1629
 |||||
 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
 |||||
 Db 1630 GGCCTGATTGGACAAGTCTGTGGCCGTGTGACTCCCACTTCGAATCGTCACTCAACTCT 1689
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QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
Db 1690 CTGACTGTGGTGTGTGTACAGATTATGCAATTCCTACCGGGGATTTCTGCTTCCTAC 1749
QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
Db 1750 ACCTCAATTATGCGAAGAACATCAACATCATCTTTAACTTGTCTTCTTGACAGGATG 1809
QY 261 ArgValIleIleSerIleSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
Db 1810 AGAGTTTATTATAGCAAACTCTACCTAGAGGCTTTTAACTTAATGGGAATAACTTGCA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
Db 1870 CTAAAGACCCAACTTGCAGACCAAAATTATCAATGTTGTGAATTTCTGTCCTCTT 1929
QY 301 AsnIleCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
Db 1930 AATGATGTGGTACAACTAGAAAGGTAGAAGATCAGTCAATTACTTACCACAATATAATC 1989
QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnIleIleIle 340
Db 1990 ACCTTTTCTGCACTCTCAACTTCTGAAGTGATCACCGCTCAGAAACAACCTCCAGATTAT 2049
QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
Db 2050 GTGAGTGTGAATGGACATAATTCTACAGTGGAGATAATATACATACAGAGATGAT 2109
QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCACTGGGCAATATAACACGAGCATGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrIleu 400
Db 2170 AATTCATTGAAAGACTATATCTGATCACCATTATGATGATTTGAAACCAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTCTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuLeuLysSerGlyCys 440
Db 2290 AGAGCTCTCCCACTCTGACTTTGCATCTCCAACTACGACCTTAATCAAGTGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyValArgPheGlnPhe 460
Db 2350 AGTCAGATGAACTTGTAAAGTGATATCCCTTATTGACACTATGGGAGATTCAGTTT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTAAATCTTGAGAAAGTATGAGCTCTGTATCTGCAGTGTAAAGTTTGTATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATAGCAGTGACCAACAGCTCTCGTGCATCAAGGTTGTCTCTCAGAGCAACGA 2529
QY 501 AspIleSerSerTyrIleTyrIlePheThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTCATATAAATGGAACACAGATTCATCAGACCACTCTGCTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluThrPro 540
Db 2590 GATCGAAGTGAAGTGGCAATTTCAGATTTTCAGCATGAACACATGCGGAGAAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCTTTCAACAGTGTGATCTGTTTCTTCTCATGTTCTAGCTCTGAAATGTGGT 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
Db 2710 ACTGAGGACCAATCACAGTGGGCAATTTGTAATCAACGGGAGAGTCAAAATACACAG 2769
QY 581 LysLeuGlnAsnTyr 585

Db 2770 AAGTCGAGAACTAT 2784

RESULT 6

US-09-307-824-189
Sequence 189, Application US/09907824
Publication No. US20020197671A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.
APPLICANT: Botstein, David
APPLICANT: Ashkenazi, Avi
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/907,824
CURRENT FILING DATE: 2001-07-17
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US/60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US/60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US/60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219

; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423
 ; SEQ ID NO 189
 ; LENGTH: 2917
 ; TYPE: DNA
 ; ORGANISM: Homo Sapien
 US-09-907-824-189

Alignment Scores:

Pred. No.: 0 Length: 2917
 Score: 595.00 Matches: 585
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-824-189 (1-2917)

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 QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
 DB 1090 GAGACCCCAAGCCATGATCTGCACTCAATCCCACTGAGAACTGCACCTGACCAATA 1149
 QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAsnProAsp 60
 DB 1150 GAAAGACAGAAAACAAAGCATCAGATTATCTTCCATATGTCAGCTTGATCCAGAT 1209
 QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
 DB 1210 GGAAGCTGTGAAGTGAAGAAACATTAAAGTCTTTCACGGAACCTCCAGCAATGGGCCCTCTG 1269
 QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
 DB 1270 CTAGGCGAAGTCTGCAGTAAACAAACATGTTCTGTATTTGAATCATCATCCAGTACA 1329
 QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
 DB 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAAATTCAGAAATCTGCTTGTCTTCTAC 1389
 QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
 DB 1390 TACTTCTTCTCTCTAAACATCTTATTCCTCAACCTGTGGCGGTACTCTGGATACCTGGAA 1449
 QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTyr 160
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 QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
 DB 1510 CACATACAGTGGGAGAGATTAAGATAAACTAACTAACTAACTAACTAACTAACTAACTAA 1569
 QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaTyrAspGlyProSerThrAsnSer 200
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 QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220
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 QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
 DB 1690 CTGACTGTGCGGTGTCTACAGATTATGCAAACTTTTACCGGGGATTTTCTGCTTCTCTAC 1749
 QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
 DB 1750 ACCTCAATTTATGAGAAAACATCAACATCATCTTTACTTGTCTTCTGACAGATG 1809
 QY 261 ArgValIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
 DB 1810 AGAGTTATTATAGCAAACTCTACCTAGAGGCTTTTAACTCTTAATGGGAATTAACCTGCAA 1869

QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
 DB 1870 CTAAGAGACCCCAACTTGACAGACCAAAATATCAATGTTGTGAATTTTCTGCTCTCTT 1929
 QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
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 QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
 DB 1990 ACCTTTTCTGATCTCTCACTTCTGAGTGATCACCCTGAGAAACAATCTCAGATTATT 2049
 QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
 DB 2050 GTGAAGTGTGAATGGGACATAATTTCTACGTGGAGATAATATACATACCAAGATGAT 2109
 QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
 DB 2110 GTAATACAAAGTCAAAATGCACTGGGCAATATAACACAGATGGCTCTTTTGAATCC 2169
 QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
 DB 2170 AATTCAATTTGAAAGACATATATCTTCAATCACAATATATGTGGATTGAAACCAACTCTT 2229
 QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
 DB 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCAAAATTTGGTGGTGTCTTTGATACCTGT 2289
 QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
 DB 2290 AGAGCCTCTCCACCTCTGACTTTGCACTCTCCAACTACGACCTAATCAAGAGTGGATGT 2349
 QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGluPhe 460
 DB 2350 AGTCAGATGAACATTTAAGGTGTATCCCTTATTTGGACACTATGGGAGATTCCAGTTT 2409
 QY 461 AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuIle 480
 DB 2410 AATGCTTTAAATCTTTCAGAAAGTATGAGCTCTGTATCTGCAAGTGTAAAGTTTGTATA 2469
 QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
 DB 2470 TGTGATAGCAGTGACCAACCACTCGTCAATCAAGTTGTGTCTCCAGAACCAACGA 2529
 QY 501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
 DB 2530 GACATTTCTTATTAATGAAGAAACAGATTCCATCATAGGACCCATTCGTCTGAAAGG 2589
 QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
 DB 2590 GATCGAAGTGCAGTGGCAATTCAGGATTCAGCATGAACACATCGGAGAACTCCA 2649
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 DB 2650 AACAGACCTTTCAACAGGTGTGCATCTGTTTCCCTTCATGTTCTAGCTCTGAATGTGGT 2709
 QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580
 DB 2710 ACTGTAGCAGCAATCAGTGGAGCAATTTGTAATCAACGGGACAGACTACAAATACCA 2769
 QY 581 LysLeuGlnAsnTyr 585
 DB 2770 AAGCTGCAGAACTAT 2784

RESULT 7

US-09-907-841-189
 ; Sequence 189, Application US/09907841
 ; Publication No. US20020198366A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.
 ; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David


```
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
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APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US 09/907,841
PRIORITY FILING DATE: 2001-11-20
PRIORITY FILING DATE: 2000-02-22
PRIORITY FILING DATE: 1999-07-07
PRIORITY FILING DATE: 1999-07-26
PRIORITY FILING DATE: 1999-07-28
PRIORITY FILING DATE: 1999-07-28
PRIORITY FILING DATE: 1999-09-08
PRIORITY FILING DATE: 1999-09-13
PRIORITY FILING DATE: 1999-09-15
PRIORITY FILING DATE: 1999-09-15
PRIORITY FILING DATE: 1999-10-05
PRIORITY FILING DATE: 1999-11-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 189
LENGTH: 2917
TYPE: DNA
ORGANISM: Homo sapiens
US-09-907-841-189

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-14 (1-585) x US-09-907-841-189 (1-2917)

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Db 1330 TTGACGTTTCAATAGTTACTGACTCAGCAAGAATTCAAAGAACTGCTTTGTCTTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTCTCTCTAAACATCTCTATTCCAACTGTGGCGGTACCTGGATACCTTGGAA 1449
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Db 1510 CACATCAAGTGGAGAAAGATTCAAGATAAACTTAAACTTCAAGAGATTCTTCTAGAA 1569
QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATAGACAAACAGTGCATAATTTGATTTCTTGCCATCTATGATGGCCCTCCACCACTCT 1629
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QY 221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
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Db 1810 AGAGTTATTATAAGCAATCTCTAGAGGCTTTAACTCTAATGGGAATACTTGCAG 1869
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QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
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QY 321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
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QY 241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
DB 1750 ACCCTCAATTTATGCAAAACATCAACACTACATCTTTAACTGTCTTCTTCTGACAGATG 1809
QY 261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnAsnLeuGln 280
DB 1810 AGAGTTATATAGCAAACTCTTACCTAGAGGCTTTAACTCTATATGGAAATCACTTGCAA 1869
QY 281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
DB 1870 CTAAAGACCCAACTTGACAGCAAAATATCAAAATGTTGTGGAATTTCTGTCCCTCTT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrThrAsnIleIle 320
DB 1930 AATGATGTGGTACAAATCAGAAAGTAGAATCAGTCAATTTACTTACCAATATATATC 1989
QY 321 ThrPheSerAlaSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
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QY 341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
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QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
DB 2110 GTAATACAAAGTCAAAATGCACTGGCAAAATATACACCAAGCGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
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QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
DB 2230 TTTGTTCAAGTAGTCTGCACACCTTCAGATCCAAATTTGGGGTGTCTTGTGATACCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
DB 2290 AGAGCTCTCCACCTCTGATTTGCACTCTCCACCTAGCACTTAATCAAGATGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
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QY 501 AspIleSerSerTyrLysTyrLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
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DB 2770 AAGCTGCAGAACTAT 2784

RESULT 9
US-09-906-742-189
; Sequence 189, Application US/09906742
; Publication No. US20030023054A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,742
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28

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; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1998-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
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; PRIOR FILING DATE: 1999-11-29
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; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-864-711-14
US-09-864-711-14 (1-585) x US-09-906-742-189 (1-2917)

Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-14 (1-585) x US-09-906-742-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGGCAATATGGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTyrThrIle 40
Db 1090 GAGACCCACAAAGCCATGATCTCTCAACTCAATCCAGTGAGAACTGCACCTGGACATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACGAGAAACAAAGCAATGCAAGCTGCACAGTCTAGTCTGATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnIleLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAACATTAAGCTTTGACGGAACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerThr 100
Db 1270 CTAGGGCAAGTCTGCAGTAAACAGCAATGTTCTGTATTGAAATCATCATCCAGTACA 1329
QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
Db 1330 TTGACGTTTCAAAGTACTGATCTCAGCAAGAAATTCAAAGAACTGCTTTGTCTCTAC 1389
QY 121 TyrPhePheSerProAsnIleSerIleProAsnCysGlyGlyTyrLeuAspThrLeuGlu 140
Db 1390 TACTTCTTCTCTAAATCTCTATTCCAACTGTGGCGGTACCTGGATACCTTGGAA 1449
QY 141 GlySerPheThrSerProAsnTyrProLysProHisProGluLeuAlaTyrCysValTrp 160
Db 1589 GACATTTCTTCAATAAATGGAAACAGATTCATCATAGACCCATTCCTGCTGAAAGG 2589

1450 GGATCCTTCCAGGCCCAATTTACCCAAAGCGCATCTCTGAGCTGGCTATTGTGTGG 1509
161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
1510 CACATACAAAGTGGAGAGATTACAAGATAAACTTAAACTTCAAGAGATTTCCTAGNA 1569
181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
1570 ATAGACAAACAGTGCAAAATTTGATTTTCTGCCATCTATGATGGCCCTCCACCAACTCT 1629
201 GlyLeuIleGlyGlnValCysGlyValThrProThrPheGluSerSerSerAsnSer 220
1630 GGCTGATTGGACAGTCTGTGGCGTGTGACTCCACCTTCGATCTGATCAACTCT 1689
221 LeuThrValValLeuSerThrAspTyrAlaAsnSerTyrArgGlyPheSerAlaSerTyr 240
1690 CTGACTGTCTGTCTCTACAGATTATGCCAATTTCTTACCGGGGATTTTCTGTCTCTTAC 1749
241 ThrSerIleTyrAlaGluAsnIleAsnThrThrSerLeuThrCysSerSerAspArgMet 260
1750 ACCTCAATTTATGCAAAACATCAACACTACATCTTTAACTTGTCTCTCTGACAGGATG 1809
261 ArgValIleIleSerLysSerTyrLeuGluAlaPheAsnSerAsnGlyAsnLeuGln 280
1810 AGAGTTATTATAAGCAATCTTACCTAGAGCTTTTAACTCTAATGGGAATAACTTGCAG 1869
281 LeuLysAspProThrCysArgProLysLeuSerAsnValValGluPheSerValProLeu 300
1870 CTAAAGAGCCCAACTTGCAGACCAAAATTTCAAAATGTGTGGAATTTTCTGTCCCTCTT 1929
301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
1930 AATGGATGTGTACAAATCAGAAAGGTAGAGATCAGTCAATTACTTACACCAATATAATC 1989
321 ThrPheSerAlaSerSerThrSerGluValIleThrArgGlnLysGlnLeuGlnIleIle 340
1990 ACCTTTTCTGCACTCTCAACTTCTGAAGTGTATCAACCCGTGAGAAACCACTCAGATTATT 2049
341 ValLysCysGluMetGlyHisAsnSerThrValGluIleIleTyrIleThrGluAspAsp 360
2050 GTGAAGTGTGAATGGGACATAATCTACAGTGGAGATTAATATACATAACAGAGATGAT 2109
361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
2110 GTAATACAAAGTCAAAATGCACTGGGCAAAATATAACACCAAGATGGCTCTTTTGAATCC 2169
381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
2170 AATTCATTTGAAGACATATACCTTGAATCACCATAATTATGTGGATTGGAACCAACTCTT 2259
401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
2230 TTTGTTCAGTGTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTTGATACCTGT 2289
421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
2290 AGAGCTCTCCCACTCTGACTTTGCATCTCCACCTCCACCTACCTCAATCAAGAGTGGATGT 2349
441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
2350 AGTCAGATGAACTTGTAGGTGTATCCCTTATTGGACACTATGGAGATTTCCAGTTT 2409
461 AsnAlaPheLysPheLeuArgSerMetSerSerValTyrLeuGlnCysLysValLeuIle 480
2410 AATGCTTTTAAATTTCTTGAGAAGTATGAGTCTGTGTATCTGAGTGTAAAGTTTTCATA 2469
481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
2470 TGTGATAGCAGTGCACCACTCTCGTGTCAATCAGAGTTGTGTCTCCAGAGCAACACGA 2529
501 AspIleSerSerTyrLysTrpLysThrAspSerIleIleGlyProIleArgLeuLysArg 520
2530 GACATTTCTTCAATAAATGGAAACAGATTCATCATAGACCCATTCCTGCTGAAAGG 2589
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QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTGCAGTGCAGTTCAGGATTCAGCATGAACACACATGCGGAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisIleuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCCCTTCAACAGTGCATCTGTTTCCCTTCATGGTCTCTAGCTCTGAATGTGTGTG 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrIleValGln 580
Db 2710 ACTGTAGCGACATCATCATGAGGATTTGTAAATCATCGGCGAGACTACAAATACCG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784

RESULT 10

US-09-906-838-189
; Sequence 189, Application US/09906838
; Publication No. US20030027143A1
; GENERAL INFORMATION:
; APPLICANT: Gentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gac, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,838
; CURRENT FILING DATE: 2001-07-16
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214

; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 189
; LENGTH: 2917
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-906-838-189
Alignment Scores:
Pred. No.: 0 Length: 2917
Score: 585.00 Matches: 585
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0
US-09-864-711-14 (1-585) x US-09-906-838-189 (1-2917)

QY 1 MetAlaGluAlaGluGlyAsnAlaSerCysThrValSerLeuGlyGlyAlaAsnMetAla 20
Db 1030 ATGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGGCCAATATGCA 1089
QY 21 GluThrHisLysAlaMetIleLeuGlnLeuAsnProSerGluAsnCysThrTrpThrIle 40
Db 1090 GAGACCCACAAAGCATGATCTGCACTCAATCCAGTGAGAACTGCACCTGGACAATA 1149
QY 41 GluArgProGluAsnLysSerIleArgIleIlePheSerTyrValGlnLeuAspProAsp 60
Db 1150 GAAAGACCCAGAAACAAAGCATCAAGATTAATCTTTCTATGTCAGCTTCATCCAGAT 1209
QY 61 GlySerCysGluSerGluAsnLysValPheAspGlyThrSerSerAsnGlyProLeu 80
Db 1210 GGAAGCTGTGAAGTGAAGAAACATTAAGTCTTTGACGGACCTCCAGCAATGGGCTCTG 1269
QY 81 LeuGlyGlnValCysSerLysAsnAspTyrValProValPheGluSerSerSerSerThr 100
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QY 101 LeuThrPheGlnIleValThrAspSerAlaArgIleGlnArgThrValPheValPheTyr 120
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QY 161 HisIleGlnValGluLysAspTyrLysIleLysLeuAsnPheLysGluIlePheLeuGlu 180
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QY 181 IleAspLysGlnCysLysPheAspPheLeuAlaIleTyrAspGlyProSerThrAsnSer 200
Db 1570 ATGACAAACAGTCAAAATTGATTTCTTGCCATCTATGATGGCCCTCCACCAACTCT 1629
QY 201 GlyLeuIleGlyGlnValCysGlyArgValThrProThrPheGluSerSerSerAsnSer 220

Db 1630 GGCCTGATTGGACAAAGTCTGTGGCGGTGAGCTCCACCTTCGAATCGTCATCAAACTCT 1689
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Db 1690 CTGACTGTCGTGTGTCTACAGATTATGCCAATCTTACCGGGGATTTTCTGCTTCTCTAC 1749
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Db 1750 ACCTCAATTTATGCAAGAAACATCAACACTATCTTTAACTTCTCTCTCTGACAGATG 1809
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Db 1870 CTAAGAAGACCCAACTTGACAGACCAAAATTATCAAAATGTTGTGGAATTTCTGTCCCTCT 1929
QY 301 AsnGlyCysGlyThrIleArgLysValGluAspGlnSerIleThrTyrThrAsnIleIle 320
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QY 361 ValIleGlnSerGlnAsnAlaLeuGlyLysTyrAsnThrSerMetAlaLeuPheGluSer 380
Db 2110 GTAATACAAAGTCAAAATGCATGGCAAAATATACACACAGCTGGCTCTTTTGAATCC 2169
QY 381 AsnSerPheGluLysThrIleLeuGluSerProTyrTyrValAspLeuAsnGlnThrLeu 400
Db 2170 AATTCATTGAAAGACTATCTTGAATCACCATTATATGTGGATTTGAACCAACTCTT 2229
QY 401 PheValGlnValSerLeuHisThrSerAspProAsnLeuValValPheLeuAspThrCys 420
Db 2230 TTTGTTCAAGTTAGTCTGCACACCTCAGATCCAAATTTGGTGGTGTCTTTGTATCTGT 2289
QY 421 ArgAlaSerProThrSerAspPheAlaSerProThrTyrAspLeuIleLysSerGlyCys 440
Db 2290 AGAGCTCTCCACCTCTGACTTTGCTCATCTCAACCTACGACCTAATCAAGAGTGGATGT 2349
QY 441 SerArgAspGluThrCysLysValTyrProLeuPheGlyHisTyrGlyArgPheGlnPhe 460
Db 2350 AGTCAGATGAAACTTGAAGGTGATCCCTTATTTGGACACTATGGGAGATTCAGTTT 2409
QY 461 AsnAlaPheLysPheLeuArgSerMetSerValTyrLeuGlnCysLysValLeuIle 480
Db 2410 AATGCTTTAAATCTTCAAGAGTATGAGCTCTGTGTATCTGCAATGAAGTTTGATA 2469
QY 481 CysAspSerSerAspHisGlnSerArgCysAsnGlnGlyCysValSerArgSerLysArg 500
Db 2470 TGTGATGACGATGACACCACTCTCGCTGCAATCAAGGTGTGTCTCCAGAAACGAA 2529
QY 501 AspIleSerSerTyrLysTriplysThrAspSerIleIleGlyProIleArgLeuLysArg 520
Db 2530 GACATTTCTTATATATGAAACAGATTCATATAGAACCCATCTGTCTGAAAGG 2589
QY 521 AspArgSerAlaSerGlyAsnSerGlyPheGlnHisGluThrHisAlaGluGluThrPro 540
Db 2590 GATCGAAGTCAAGTGGCAATTCAGATTTCAGATGAAACACATCGCGAAGAACTCCA 2649
QY 541 AsnGlnProPheAsnSerValHisLeuPheSerPheMetValLeuAlaLeuAsnValVal 560
Db 2650 AACCAAGCTTCAACAGGTGTCATCTGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2709
QY 561 ThrValAlaThrIleThrValArgHisPheValAsnGlnArgAlaAspTyrLysTyrGln 580

Db 2710 ACTGTAGCGACAATCACAGTGTAGGCACTTTGTAAATCAACGGCGCAGACTACAAATACCAG 2769
QY 581 LysLeuGlnAsnTyr 585
Db 2770 AAGCTGCAGAACTAT 2784
RESULT 11
US-09-907-613-189
; Sequence 189, Application US/09907613
; Publication No. US20030027145A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kiljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,613
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20

GenCore version 5.1.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 18, 2004, 18:57:43 ; Search time 55.25 Seconds
(without alignments)
2561.312 Million cell updates/sec

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Perfect score: 1328
Sequence: 1 MCEPFGNDKAREPSVGRW.....GILLRCFIGDKTRILKAR 255

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 582709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters: -MODEL=frame_plus_p2n.model -DEV=xlh
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-LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=Dlosum62 -TRANS=human40.cdi
-LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
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-MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:
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2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:
5: /cgn2_6/ptodata/2/ina/PTUS.COMB.seq:
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1328	100.0	1312	4	US-09-610-906-5
2	1328	100.0	1312	4	US-09-976-584-346
3	1328	100.0	1354	4	US-09-610-906-2
4	463	34.9	620	4	US-09-610-906-7
5	379	28.5	1015	4	US-09-372-422A-31
6	372.5	28.0	938	3	US-08-654-025-1
7	372.5	28.0	938	3	US-08-654-025-3
8	368.5	27.7	1081	4	US-09-372-422A-33
9	366	27.6	279	4	US-09-610-906-8
10	362	27.3	1158	4	US-09-372-422A-21
11	356.5	26.8	1153	4	US-09-372-448A-5
12	345	26.0	1193	4	US-09-372-422A-23

13	340.5	25.6	1100	4	US-09-372-422A-47	Sequence 47, Appl
14	323	24.3	1442	1	US-08-468-763-18	Sequence 18, Appl
15	323	24.3	1442	2	US-08-393-996A-18	Sequence 18, Appl
16	320	24.1	1408	1	US-08-447-554-3	Sequence 3, Appl
17	320	24.1	1408	1	US-08-448-160-3	Sequence 3, Appl
18	315.5	23.8	3426	1	US-08-234-939-1	Sequence 1, Appl
19	315.5	23.8	3426	1	US-08-558-865-1	Sequence 1, Appl
20	315.5	23.8	3426	3	US-08-654-025-6	Sequence 6, Appl
21	312	23.5	1302	4	US-09-372-422A-27	Sequence 27, Appl
22	305	23.0	1176	4	US-09-372-422A-25	Sequence 25, Appl
23	296.5	22.3	325	4	US-09-610-906-10	Sequence 10, Appl
24	282.5	21.3	1485	4	US-09-372-422A-39	Sequence 39, Appl
25	277.5	20.9	1087	4	US-09-372-422A-29	Sequence 29, Appl
26	271	20.4	1445	4	US-09-372-422A-1	Sequence 1, Appl
27	271	20.4	1445	4	US-09-372-448A-1	Sequence 1, Appl
28	270	20.3	960	4	US-09-489-039A-2828	Sequence 2828, Ap
29	270	20.3	1384	4	US-09-372-422A-17	Sequence 17, Appl
30	268	20.2	1204	4	US-09-372-422A-3	Sequence 3, Appl
31	267.5	20.1	1375	4	US-09-372-422A-37	Sequence 37, Appl
32	267	20.1	1333	4	US-09-372-422A-9	Sequence 9, Appl
33	265	20.0	1304	4	US-09-372-422A-15	Sequence 15, Appl
34	260.5	19.6	792	4	US-09-489-039A-4876	Sequence 4876, Ap
35	259.5	19.5	1217	4	US-09-372-422A-11	Sequence 11, Appl
36	258.5	19.5	1340	1	US-08-468-763-16	Sequence 16, Appl
37	258.5	19.5	1340	2	US-08-393-996A-16	Sequence 16, Appl
38	258	19.4	1242	4	US-09-372-448A-3	Sequence 3, Appl
39	257.5	19.4	939	4	US-09-252-991A-15282	Sequence 15282, A
40	257.5	19.4	1206	4	US-09-372-422A-13	Sequence 13, Appl
41	257.5	19.4	1629	4	US-09-252-991A-15397	Sequence 15397, A
42	257.5	19.4	2112	4	US-09-252-991A-15383	Sequence 15383, A
43	254	19.1	1454	4	US-09-372-422A-19	Sequence 19, Appl
44	250.5	18.9	1116	4	US-09-372-422A-41	Sequence 41, Appl
45	249.5	18.8	849	4	US-09-543-681A-4103	Sequence 4103, Ap

ALIGNMENTS

RESULT 1
US-09-610-906-5
Sequence 5, Application US/09610906
Patent No. 6566066
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Volkmut, Wayne
APPLICANT: Klinger, Tod M.
TITLE OF INVENTION: AQUAPORIN-8 VARIANT
FILE REFERENCE: PC-0012 CIP
CURRENT APPLICATION NUMBER: US/09/610,906
PRIOR FILING DATE: 2000-07-06
PRIOR APPLICATION NUMBER: 09/226,994
NUMBER OF SEQ ID NOS: 12
SOFTWARE: PERL Program
SEQ ID NO 5
LENGTH: 1312
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6566066 1804734CB1
PUBLICATION INFORMATION:
US-09-610-906-5

Alignment Scores:
Pred. No.: 1.74e-144 Length: 1312
Score: 1328.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-5 (1-1312)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTyr 20
Db 111 ATGTGTGAGCCTGAATTTGGCAATCAACAAGCCAGGAGCCAGCGTGGTGGCAGGTGG 170
QY 21 ArgValSerTyrTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 171 CGAGTGTCTCTGTGTAGCAAGCGTTTGTGAGGCATGTCTGGTGCAGACATGCTGGGCTCTGCT 230
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 231 CTCCTTCATCTTCATCGGTCCTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 290
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 291 CAGCGGGCCCTCGCCACAGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 350
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
Db 351 AGTGTGTGACATTTCAACCTCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 410
QY 101 LeuValMetLeuLeuProTyrTyrValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 411 CTGGTGTGATCTCTCCCGTACTGAGTGTCTCACAGTGTCTCGGGGGGATGCTCGGGCTGCC 470
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTyrAsnAlaSerGlyAlaAlaPheVal 140
Db 471 TTGGCCCAAGCGGTGAGTCTCTGAGGAGGTTCTGGAATGATCTGCGGGCGGCTTTGTG 530
QY 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleIleLeuThrThr 160
Db 531 ACAGTCCAGGAGCAGGGGAGGTGGCGGTGGTGGCGAGATCATCTGACGAGC 590
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
Db 591 CTGGTGGCCCTCGGCTGTATGATGCGTGCATCAATGAGAAGACAAAGGGCCCTCTGCC 650
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 651 CGCTTCTCCATCGGCTTTGGCGTTCACCGTGGATATCTTGGTGGGGCCCTGTCTGGA 710
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTyrAsnPhe 220
Db 711 GGCTGCATCAATCCCGCCCGTCTTTGGACCTGGCGTGGTGGCCCAACCACTGGAACATC 770
QY 221 HisTyrIleTyrTripleGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
Db 771 CACTGATCTACTGGTGGGCCCATCTCTGGCTGGCCCTGCTTGTGGACTGCTCTATTAGG 830
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 831 TGCTTCATTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 875

RESULT 2

US-09-976-594-346
; Sequence 346, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 346
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature

OTHER INFORMATION: Incyte ID No. 6673549 1804734CB1
US-09-976-594-346

Alignment Scores:

Pred. No.: 1,748-144 Length: 1312
Score: 1328.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-976-594-346 (1-1312)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTyr 20
Db 111 ATGTGTGAGCCTGAATTTGGCAATCAACAAGCCAGGAGCCAGCGTGGTGGCAGGTGG 170
QY 21 ArgValSerTyrTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 171 CGAGTGTCTCTGTGTAGCAAGCGTTTGTGAGGCATGTCTGGTGCAGACATGCTGGGCTCTGCT 230
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 231 CTCCTTCATCTTCATCGGTCCTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 290
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 291 CAGCGGGCCCTCGCCACAGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 350
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
Db 351 AGTGTGTGACATTTCAACCTCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 410
QY 101 LeuValMetLeuLeuProTyrTyrValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 411 CTGGTGTGATCTCTCCCGTACTGAGTGTCTCACAGTGTCTCGGGGGGATGCTCGGGCTGCC 470
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTyrAsnAlaSerGlyAlaAlaPheVal 140
Db 471 TTGGCCCAAGCGGTGAGTCTCTGAGGAGGTTCTGGAATGATCTGCGGGCGGCTTTGTG 530
QY 141 ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleIleLeuThrThr 160
Db 531 ACAGTCCAGGAGCAGGGGAGGTGGCGGTGGTGGCGAGATCATCTGACGAGC 590
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
Db 591 CTGGTGGCCCTCGGCTGTATGATGCGTGCATCAATGAGAAGACAAAGGGCCCTCTGCC 650
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 651 CGCTTCTCCATCGGCTTTGGCGTTCACCGTGGATATCTTGGTGGGGCCCTGTCTGGA 710
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTyrAsnPhe 220
Db 711 GGCTGCATCAATCCCGCCCGTCTTTGGACCTGGCGTGGTGGCCCAACCACTGGAACATC 770
QY 221 HisTyrIleTyrTripleGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
Db 771 CACTGATCTACTGGTGGGCCCATCTCTGGCTGGCCCTGCTTGTGGACTGCTCTATTAGG 830
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 831 TGCTTCATTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 875

RESULT 3

US-09-610-906-2
; Sequence 2, Application US/09610906
; Patent No. 6586066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klinger, Tod M.

; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 2774542CB1
; PUBLICATION INFORMATION:
US-09-610-906-2

Alignment Scores:
Pred. No.: 1,838-144 Length: 1354
Score: 1328.00 Matches: 255
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-2 (1-1354)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTyr 20
DB 148 ATGTGTGAGCTGAATTTGGCAATACCAAGCCAGGAGCCGAGCGTGGTGGAGGTGG 207
QY 21 ArgValSerTyrTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 208 CAGATGTCTGTAGACAGGTTTGTGAGCCATGCTGTGGTGGAACTGCTGGCTTGTCT 267
QY 41 LeupheilePheileGlyCysLeuSerValleGluAenGlyThrAspThrGlyLeuLeu 60
DB 268 CTTCTTCACTTTCATCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 327
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValleAlaThrLeuGlyAlaIle 80
DB 328 CAGCCGGCCCTGGCCACGGCTGGCTTTGGGGCTGCTGATGGCCAGCTGGGGAAATC 387
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
DB 388 AGTGTGTGACACTTCAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 447
QY 101 LeuValMetLeuLeuProTyrTyrValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 448 CTGGTGTATGCTCTCCCGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 507
QY 121 LeuAlaLysAlaValSerProGluGluArgPheTyrAsnAlaSerGlyAlaAlaPheVal 140
DB 508 TTGGCCAGGCGGTGAGTCTGAGAGAGAGTCTGGAATGATCTGGGGCGGCTTTGTG 567
QY 141 ThrValGlnGluGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
DB 568 ACAGTCCAGGAGCAGGGGAGGTGCGAGGGGCTTGGTGGCAGAGATCATCTCCAGCAG 627
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAenGlyLysThrLysGlyProLeuAla 180
DB 628 CTGCTGGCCCTGGCTGTATGATGGTGCCTATCAATGAGAGACAAAGGGCCCTCTGCC 687
QY 181 PropheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 688 CCGTTCTCATCGCTTTGGCGTACCGCTGGATATCTCTGGCTGGGGCCCTGTGTCTGGA 747
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTyrAsnPhe 220
DB 748 GGCTCATGAATCCCGCCCGTCTTTGGACCTGCGGTGGTGGCCCAACCACTGGAACCTTC 807
QY 221 HisTyrPheTyrTrpLeuGlyProLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240

DB 808 CACTGGATCTACTGCTGGGCCCACTCTGGTGGCCCTGCTGTGTGGACTCTCATAGG 867
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 868 TGTTCATTTGGAGATGGGAAGACCGCTCATCTCTGAAGGCTGG 912

RESULT 4

US-09-610-906-7
; Sequence 7, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingner, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 7
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701887401H1
; PUBLICATION INFORMATION:
US-09-610-906-7

Alignment Scores:
Pred. No.: 1,378-44 Length: 620
Score: 463.00 Matches: 88
Percent Similarity: 87.39% Conservatives: 9
Best Local Similarity: 79.28% Mismatches: 14
Query Match: 34.86% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-7 (1-620)

QY 145 GlnGlyGlnValAlaGlyAlaLeuValAlaGluIleIleLeuThrLeuAlaLeu 164
DB 57 CAGCAGCAGTGGCAGAGCCCTGGGGTGGAGATCGTTATGACGATGCTGTGGTATTG 116
QY 165 AlaValCysMetGlyAlaIleAenGlyLysThrLysGlyProLeuAlaProPheSerIle 184
DB 117 GCTGTATGTATGGGTGCGGTCAATGAGAGCAATGGGTGCGCTAGCCCTCTCCATT 176
QY 185 GlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGlyGlyCysMetAsn 204
DB 177 GGTTCCTCTGATCTGTGGATATCTGGCAGGTGGTGGGATCTCTGGAGCCTGCATGAC 236
QY 205 ProAlaArgAlaPheGlyProAlaValValAlaAenHisTyrAsnHisTyrPheTyr 224
DB 237 CTTGCTGCTGCTTTGGACCTGCTGATGGTGGCTACTGCGACTTCCATTGGATCTAC 296
QY 225 TrpLeuGlyProLeuAlaGlyLeuLeuValGlyLeuLeuIleArgCysPheIleGly 244
DB 297 TGGTGGGCCCACTCTGCTGGCTGGCTCTTTGGGACTGCTCATTAGGCTCTTCATTGGA 356
QY 245 AspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 357 GATGAGAAACCCGCTGATTTCTAAAGTCGAGG 389

RESULT 5

US-09-372-422A-31
; Sequence 31, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung

APPLICANT: Francois Barrieu
 TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
 FILE REFERENCE: 0919

CURRENT APPLICATION NUMBER: US/09/372,422A

CURRENT FILING DATE: 1999-08-11

PRIOR APPLICATION NUMBER: US 60/098,692

PRIOR FILING DATE: 1998-08-31

NUMBER OF SEQ ID NOS: 49

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 31

LENGTH: 1015

TYPE: DNA

ORGANISM: Zea mays

FEATURE:

NAME/KEY: CDS

LOCATION: (77)...(863)

US-09-372-422A-31

Alignment Scores:

Pred. No.:	1.6e-34	Length:	1015
Score:	379.00	Matches:	94
Percent Similarity:	51.38%	Conservative:	36
Best Local Similarity:	37.15%	Mismatches:	91
Query Match:	28.54%	Indels:	32
DB:	4	Gaps:	6

US-09-864-711-15 (1-255) x US-09-372-422A-31 (1-1015)

Qy 6 PheGlyAsnAspLysAlaArgGluProSerValGlyArgTrpArgValSerTrpTyr 25
 Db 65 TTTGGCGACGACATGACGACGGCGTGGCAGCGGGCGCGGTTCACGCTGGGGCGAGC 124
 Qy 26 GluArgPheValGlnPro-----CysLeuValGluLeuGlySerAla 40
 Db 125 GAGGAGCCGACGACCGGACACCATCCGCGCGGCATCTCCGAGTTCATCCGCCGCC 184
 Qy 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGly----- 54
 Db 185 ATCTTGCTGTCGCCCGGAGGATCGTCTCGTCGCGGAAGATGTACCAACGACATG 244
 Qy 55 ---ThrAspThrGlyLeuGlnProAlaLeuAlaHisGlyLeuAlaGlyLeuVal 73
 Db 245 AGACGCGCGCGCGCGCTGTGGTGTGGCGCTGGCGCAGCGCTGGCGCTGGCGGCC 304
 Qy 74 IleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsnProAlaValSerLeuAla 93
 Db 305 GTGGCAGTGGCGTCAACATCTCGGCGGCGACGTAACCGCGCGGTACCTTCGCGCG 364
 Qy 94 MetLeuIleGlyLeuAsnLeuValMetLeuLeuProTyrTrpValSerGlnLeu 113
 Db 365 CTCGTCGCGCGCGCTCCCTCGTCCGCGCGGTCTTGTACTGGTTCGCGCAGCTGCTG 424
 Qy 114 GlyGlyMetLeuGlyAlaAlaLeuAlaLysAlaValSerProGluGluArg----- 130
 Db 425 GGGCGCGTCCGCCACGCTGCTTCGCGCTCCGCGCGCGCGGCGATGCGCGCGCGGG 484
 Qy 131 PheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGluGlnGlyValAlaGly 150
 Db 485 TTCGCGCTCGCGCGGG-----GTCGCGG 508
 Qy 151 -----AlaLeuValAlaGluIleLeuThrThrLeuLeuAlaLeuAlaValCys 167
 Db 509 GACTGGCACCGCTGTGCTGGAGCGCGTATGACGTCGCGCTCATGTACGCTACTAC 568
 Qy 168 MetGlyAlaIleAsnGluLysThr-----LysGlyProLeuAlaProPheSerIleGly 185
 Db 569 GCCACGGTGTACACCGGAGCGGGCGACGTCGGCACCATCGCGCGGTGGCGCGGGC 628
 Qy 186 PheAlaValThrValAspIleLeuAlaGlyProValSerGlyGlyCysMetAsnPro 205
 Db 629 TTCGTGTCGCGCGCACGTCGTGGCGGGAGGGCCCTTCGACGCGCGCAGGATGAACCG 688
 Qy 206 AlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPheHisTrpIleTyrTrp 225

Db 689 GCAGCGGTCTTCGCGCGCGCGTCTGCTGCGGTGGCGGTGAGGACCACTGGGTACTGG 748
 Qy 226 LeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeu 238
 Db 749 CTGGGCGCTTCTTCCTCGCGCGCGGCTTCGACGCGCTGGTG 787

RESULT 6

US-08-654-025-1

Sequence 1, Application US/08654025

Patent No. 6008436

GENERAL INFORMATION:

APPLICANT: Conkling, Mark A.

APPLICANT: Opperman, Charles H.

APPLICANT: Acedo, Gregoria N.

APPLICANT: Song, Wen

TITLE OF INVENTION: Nematode Resistant Transgenic Plants

NUMBER OF SEQUENCES: 7

CORRESPONDENCE ADDRESS:

ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and

ADDRESSEE: Gibson

STREET: Post Office Drawer 34009

CITY: Charlotte

STATE: No. 6008436th Carolina

COUNTRY: U.S.A.

ZIP: 28234

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/654,025

FILING DATE:

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/332,658

FILING DATE:

APPLICATION NUMBER: US/08/007,998

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Sibley, Kenneth D.

REGISTRATION NUMBER: 31,665

REFERENCE/DOCKET NUMBER: 5051-201

TELECOMMUNICATION INFORMATION:

TELEPHONE: 919-881-3140

TELEFAX: 919-881-3175

TELEX: 575102

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 938 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: CDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 47..799

FEATURE:

NAME/KEY: mat_peptide

LOCATION: 47..796

US-08-654-025-1

Alignment Scores:

Pred. No.:	8.1e-34	Length:	938
Score:	372.50	Matches:	95
Percent Similarity:	52.85%	Conservative:	35
Best Local Similarity:	38.62%	Mismatches:	85
Query Match:	28.05%	Indels:	31
DB:	3	Gaps:	7

US-09-864-711-15 (1-255) x US-08-654-025-1 (1-938)


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QY 15 SerValGlyGlyArgTrpArgValSerTrpTrpGluArgPheValGlnProCysLeuVal 34
Db 68 AGCATTGGTGACTCTTTAGTTGGATCATTCAGAGGCTCATGTA-----GCT 115
QY 35 GluLeuLeuGlySerAlaLeuPheLeuPheLeuGlyCysLeuSerValIleGluAsnGly 54
Db 116 GAGTTATTGCTACTCTTCTTTGTTGTTGCTGGGTTGGCTGCTATAGCTTATTAAT 175
QY 55 ThrAspThr-----GlyLeuLeuGlnProAlaLeuAlaHis 66
Db 176 AAATTGCACAGCAGATCGAGCTCTTGATCCAGCTGGTCTAGTAGCAGTAGCTGGCTCAT 235
QY 67 GlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsn 86
Db 236 GCATTGGCATTTGTTGTTGGGTTTCCATAGCAGCAATATTTCAGGTGGCCATTGTAAT 295
QY 87 ProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsnLeuValMetLeuLeuPro 106
Db 296 CCAGCTGTACATTGGATTGGCTGTGGTGGGAACATCACCATTCTGACTGGCTTCTTC 355
QY 107 TyrTrpValSerGlnLeuLeuGlyMetLeuGlyAlaAlaLeuAlaLysAlaValSer 126
Db 356 TACTGGATTGCCCAATTGTTGGCTCCACAGTTGCTTGCCTCCTCCTCAAAATACGTTACT 415
QY 127 ProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGluGlnGly 146
Db 416 -----AATGGATTGGCT-----GTTCCAAACCCATGGA 442
QY 147 GlnValAlaGly-----AlaLeuValAlaGluIleIleLeuThrLeu 161
Db 443 GTTGCTGCTGGGCTCAATGATTACAGAGGTGGTGGATGGAGATAATCATAACTTTGCA 502
QY 162 LeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLys-----ThrLysGlyProLeu 179
Db 503 CTGGCTACACTGTTTATTCACACAGCAGCAGCCCTAAAGAGGTCTCACTGGAACTTCT 562
QY 180 AlaProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSer 199
Db 563 GCACCCATTGCAATTGGGTTTCATTGTTGGGGCCAACTTTTGGCAGCTGGTCCATTCACT 622
QY 200 GlyGlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsn 219
Db 623 GTGGGTGCAATGAACCCAGCTCGATCATTTGGGCCAGCTGTGGTTGCGAGGAGACTTTTCT 682
QY 220 PheHisTrpIleTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIle 239
Db 683 CAAACTGGATCTATTGGCCGCCCACTCATTTGGTGGAGGATTAGCTGGGTTATTAT 742
QY 240 ---ArgCysPheIleGly 244
Db 743 GGAGATGCTTTATTGGA 760

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RESULT 7

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US-08-654-025-3/C
; Sequence 3, Application US/08654025
; Patent No. 6008436
; GENERAL INFORMATION:
; APPLICANT: Conkling, Mark A.
; APPLICANT: Opperman, Charles H.
; APPLICANT: Aceto, Gregoria N.
; APPLICANT: Song, Wen
; TITLE OF INVENTION: Nematode Resistant Transgenic Plants
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park and
; ADDRESSEE: Gibson
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: No. 6008436th Carolina
; COUNTRY: U.S.A.
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/654,025
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/332,658
; FILING DATE:
; APPLICATION NUMBER: US/08/007,998
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5051-201
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-881-3140
; TELEFAX: 919-881-3175
; TELEX: 575102
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 938 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ANTI-SENSE: YES
; US-08-654-025-3

```

```

Alignment Scores:
Pred. No.: 81e-34 Length: 938
Score: 372.50 Matches: 95
Percent Similarity: 52.85% Conservative: 35
Best Local Similarity: 38.62% Mismatches: 85
Query Match: 28.05% Indels: 31
DB: 3 Gaps: 7

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US-09-864-711-15 (1-255) x US-08-654-025-3 (1-938)
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QY 15 SerValGlyGlyArgTrpArgValSerTrpTrpGluArgPheValGlnProCysLeuVal 34
Db 871 AGCATTGGTGACTCTTTAGTTGGATCATTCAGAGGCTCATGTA-----GCT 824
QY 35 GluLeuLeuGlySerAlaLeuPheLeuPheLeuGlyCysLeuSerValIleGluAsnGly 54
Db 823 GAGTTATTGCTACTCTTCTTTGTTGTTGCTGGGTTGGCTGCTATAGCTTATTAAT 764
QY 55 ThrAspThr-----GlyLeuLeuGlnProAlaLeuAlaHis 66
Db 763 AAATTGCACAGCAGATCGAGCTCTTGATCCAGCTGGTCTAGTAGCAGTAGCTGGCTCAT 704
QY 67 GlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsn 86
Db 703 GCATTGGCATTTGTTGTTGGGTTTCCATAGCAGCAATATTTCAGGTGGCCATTGTAAT 644
QY 87 ProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsnLeuValMetLeuLeuPro 106
Db 643 CCAGCTGTACATTGGATTGGCTGTGGTGGGAACATCACCATTCTGACTGGCTTCTTC 584
QY 107 TyrTrpValSerGlnLeuLeuGlyMetLeuGlyAlaAlaLeuAlaLysAlaValSer 126
Db 583 TACTGGATTGCCCAATTGTTGGCTCCACAGTTGTTGGCTCCTCCTCAAAATACGTTACT 524
QY 127 ProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGluGlnGly 146
Db 523 -----AATGGATTGGCT-----GTTCCAAACCCATGGA 497
QY 147 GlnValAlaGly-----AlaLeuValAlaGluIleIleLeuThrLeu 161
Db 496 GTTGCTGCTGGGCTCAATGATTACAGAGGTGGTGGATGGAGATAATCATAACTTTGCA 437
QY 162 LeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLys-----ThrLysGlyProLeu 179

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Db 436 CTGGTCTACACTGTTTATGCAACAGCAGCAGCCCTAAAAAGGGCTCACTTGGACCACTT 377
Qy 180 AlaProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSer 199
Db 376 GCACCCATTGCATTGGGTTTCATTGTTGGGCAACATTTTGGCAGCTGGTCCATTCACT 317
Qy 200 GlyGlyCysMetAsnProAlaAlaPheGlyProAlaValAlaAlaAsnHisTrpAsn 219
Db 316 GGTGGGTCAATGAACCCAGCTCGATCATTTGGGCCAGCTGTGTTTGCAGGAGACTTTTCT 257
Qy 220 PheHisTrpIleTyTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeu 239
Db 256 CAATCTGATCATTTGGGCCCGCCCACTCAATGTGGAGGATTAGCTGGGGTTATTATTAT 197
Qy 240 ---ArgCysPheIleGly 244
Db 196 GGAGATGTCTTTATTGGA 179

RESULT 8

US-09-372-422A-33
; Sequence 33, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Rudolph Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 33
; LENGTH: 1081
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (37)....(799)
US-09-372-422A-33

Alignment Scores:
Pred. No.: 2,91e-33 Length: 1081
Score: 368.50 Matches: 95
Percent Similarity: 52.34% Conservatives: 33
Best Local Similarity: 37.11% Mismatches: 93
Query Match: 27.75% Indels: 29
DB: 4 Gaps: 10

US-09-864-711-15 (1-255) x US-09-372-422A-33 (1-1081)

Qy 7 GlyAsnAspIleAlaArgGluPro-----SerValGlyGlyArgTrpArgVal 22
Db 22 GGACGAGACAAG---AGATGCTGTGACGACGATCGCGTGGGTGCTCCGGCGAGCTG 78
Qy 23 SerTrpTyrgluArgPheValGlnProCysLeuValGluLeuGlySerAlaLeuPhe 42
Db 79 TCC---CACCCGACGACCCGCGCGCGTCCGCGAGTTTCATCTCCACGCTCATCTTC 135
Qy 43 IlePheIleGly-----CysLeuSerValIleGluAsnGly----- 54
Db 136 GTCTTCGCGCGCTCAGAGTCGGGATGCGCTTCAGTAAGCTCACGCGAGGTGGCGCCGC 195
Qy 55 ThrAspThrGlyLeuLeuGlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIle 74
Db 196 ACTCTGCGCGGCTCATCCCGCGTCTGTGGCGACGCGCTCGCCCTCTTGTGGCGCGTC 255
Qy 75 AlaThrLeuGlyAsnIleSerGlyGlyHisPheAsnProAlaValSerLeuAlaMet 94
Db 256 TCGTGGGTGCCAACATCTCCGCGCGCCACGTCGTAACCTGCGCTGACCTTGGCGGCTTT 315

Qy 95 LeuIleGlyGlyLeuAsnLeuValMetLeuLeuProTyTrpValSerGlnLeuLeuGly 114
Db 316 GTGGCGGCAACATCAGCTCTCTCAAGCCCTGGTCTACTGGTGGCCAGCTCCTGGGC 375
Qy 115 GlyMetLeuGlyAlaAlaLeuAlaIysAlaValSerProGluGluArgPheTrpAsnAla 134
Db 376 TCCGTGCTGGCTCGCTCTCTCTCTCAAGATCGGCACG----- 411
Qy 135 SerGlyAlaAlaPheValThrValGlnGluGlyGlnValAla-----GlyAlaLeu 152
Db 412 GCGCGCGCGCGCTTGGCGCTTCTCGTGTGGCGGGGTGGGGCCATGAACGCCGTG 471
Qy 153 ValAlaGluIleLeuThrThrLeuLeuAlaValCysMetGlyAlaIleAsn 172
Db 472 GTCTCGAGATGTCATGACCTTCGCGCTTCGTGTACGCTGTACGCCACGCGCGCTGGAC 531
Qy 173 GluLys-----ThrLysGlyProLeuAlaProPheSerIleGlyPheAlaValThrVal 190
Db 532 CCCAAGAGGGGACCTCGCGCTCATCGGCCCATCGCCATCGGCTTCATCTCGCGCGCC 591
Qy 191 AspIleLeuAlaGlyGlyProValSerGlyGlyCysMetAsnProAlaArgAlaPheGly 210
Db 592 AACATCTCGCGCGCGCGCTTCGACGCGCGCTCCATGAACCCGCGCTCTCTTCGCGC 651
Qy 211 ProAlaValValAlaAsnHisTrpAsnPheHisTrpIleTyTrpLeuGlyProLeuLeu 230
Db 652 CCGCGCTGCTCACCGCGCTCTGGGAGAACCACTGGGTGTACTGGGTGGCGCCA---CTC 708
Qy 231 AlaGlyLeuLeuValGlyLeuLeuIleArg-----CysPheIleGly 244
Db 709 GCGGCGCGCGCCATCGCGCGCTCGTCTACGACATCATCTTCATCGGG 756

RESULT 9

US-09-610-906-8
; Sequence 8, Application US/09610906
; Patent No. 6566066
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmath, Wayne
; APPLICANT: Klinger, Tod W.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/09/610,906
; CURRENT FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/236,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 279
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6566066 701624411H1
; PUBLICATION INFORMATION:
US-09-610-906-8

Alignment Scores:
Pred. No.: 7,55e-34 Length: 279
Score: 366.00 Matches: 70
Percent Similarity: 84.78% Conservatives: 8
Best Local Similarity: 76.09% Mismatches: 14
Query Match: 27.56% Indels: 0
DB: 4 Gaps: 0

US-09-864-711-15 (1-255) x US-09-610-906-8 (1-279)

Qy 128 GluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGluGlnGly 147
Db 4 GAGGAAGGTCTTGGATCGCTTGGGCGAGGCTTTGCCATAGTCAGAGCAGAGCAG 63
Qy 148 ValAlaGlyAlaLeuValAlaGluIleLeuThrThrLeuLeuAlaLeuAlaValCys 167

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Db      64 GTGGCAGAGCCCTGGGGGTAGATCGTTATGACGATCGTGTGGTATTGGCTGTGCT 123
QY      168 MetGlyAlaIleAsnGluLysThrLysGlyProLeuAlaProPheSerIleGlyPheAla 187
Db      124 ATGGGTGGCGTCAATGAGAAGACCATGGTCCCTAGCCCATTCCTCCATTGGTTCTCT 183
QY      188 ValThrValAspIleLeuAlaGlyGlyProValSerGlyGlyCysMetAsnProAlaArg 207
Db      184 GTCATTGGATATCTGCAAGTGGTGGGATCTCTGGAGCGTCGATGAACCTCGTCTGT 243
QY      208 AlaPheGlyProAlaValAlaAlaAsnHisTrpAsn 219
Db      244 GCCTTTGACCTGCTGTGATGCTGGCTACTGGGAC 279

RESULT 10
US-09-372-422A-21
; Sequence 21, Application US/09372422A
; Patent No. 6313375
; GENERAL INFORMATION:
; APPLICANT: Francois Barrieu
; APPLICANT: Rudolf Jung
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; PRIOR FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 21
; LENGTH: 1158
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (250)...(997)
US-09-372-422A-21

Alignment Scores:
Pred. No.:      1,838-32      Length:      1158
Score:          262.00      Matches:      94
Percent Similarity: 53.25%      Conservative: 37
Best Local Similarity: 38.21%      Mismatches: 83
Query Match:    27.26%      Indels:      32
DB:             4           Gaps:         8

US-09-864-711-15 (1-255) x US-09-372-422A-21 (1-1158)

QY      15 SerValGlyGlyArgTrpArgValSerTrpTyrGluArgPheValGlnProCysLeuVal 34
Db      271 AGCGTCGCGACTCTTCAGCGCCACCTCCATCAAGGCTACGTG-----GCC 318
QY      35 GluLeuLeuGlySerAlaLeuPheIlePheIleGlyCysLeuSerValIleGluAsnGly 54
Db      319 GAGTTCATCGCCACCTCTCTTCCTTCGCCGCGTGTGCTCCGCATCGCTACGGG 378
QY      55 -----ThrAspThrGlyLeuLeuGlnPro----- 66
Db      379 CAACTGACGAATGGCGGCGCTGACCCGCGGCGCTGGTGGCGATCGCATCGGCAC 438
QY      67 GlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsn 86
Db      439 GCGTGGCGCTGTGTGGCGGTGTCCGTCCGCGCAACATCTCGGCGCGCCACCTGAAC 498
QY      87 ProAlaValSerLeuAlaAlaMetIleGlyLeuAsnLeuValMetLeuLeuPro 106
Db      499 CGGCGGTGACGTCGGGCTGGCGGCGGCACATCACCATCTCGAGCGGCGCTTC 558
QY      107 TyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAlaLeuAlaValSer 126
Db      559 TACTGGGTGGCCAGCTGCTGGGCGCCACCGTGGCGTGTCTCTCTCGGTTCTGCAC 618

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QY      127 ProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGlnGly 146
Db      619 -----CAGCGCAAGGCCATCCCGACG-----CAC 642
QY      147 GlnValAlaGly-----AlaLeuValAlaGluIleIleLeuThrThrLeu 161
Db      643 GCGTTCGCGGCGATCAGCGAGCTGGAAGCGTGGTTCGAGGTCTCATCACCTTCGGG 702
QY      162 LeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLys-----ThrLysGlyProLeu 179
Db      703 CTGCTCTACACGCTGACGCCACCGCGCGCCCAAGAGGGCTCGCTCGGCACCATC 762
QY      180 AlaProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSer 199
Db      763 GCGCCCATCGCCATCGGCTTCATCTCGGCGCCCAACATCTCTCGCGCGGCGCTTCAGC 822
QY      200 GlyGlyCysMetAsnProAlaAlaPheGlyProAlaValAlaAlaAsnHisTrpAsn 219
Db      823 GCGGCTCCATGACCCCGCGCTCTCTCGGCGCGCGCTCGCGCGGCGGACTTCGCC 882
QY      220 PheHisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuLeu 239
Db      883 GGAACCTGGTCTACTGGTTCGCGCGCTCTCTCGGCGCGCGCTCTCTCGCTCGCTCTCTAC 942
QY      240 ---ArgCysPheIleGly 244
Db      943 GCGGAGCTTCTCATTTGGC 960

RESULT 11
US-09-372-448A-5
; Sequence 5, Application US/09372448A
; Patent No. 6313376
; GENERAL INFORMATION:
; APPLICANT: Rudolf Jung
; APPLICANT: Francois Chaumont
; APPLICANT: Maarten Chrispeels
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 1172
; CURRENT APPLICATION NUMBER: US/09/372,448A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/096,627
; PRIOR FILING DATE: 1998-08-14
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 1153
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (116)...(863)
US-09-372-448A-5

Alignment Scores:
Pred. No.:      7,928-32      Length:      1153
Score:          356.50      Matches:      89
Percent Similarity: 52.44%      Conservative: 40
Best Local Similarity: 36.18%      Mismatches: 91
Query Match:    26.84%      Indels:      27
DB:             4           Gaps:         7

US-09-864-711-15 (1-255) x US-09-372-448A-5 (1-1153)

QY      11 AlaArgGluPro-----SerValGlyArgTrp-----ArgValSer 23
Db      99 GCTAGAGCGCGTGAATGCGGATCATAGATCGCTCGGAGCCACCGAG-GTG 157
QY      24 TrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAlaLeuPheIle 43
Db      158 TACCACCGCGCGCGCTCAGAGCGGCTCGCTGAGTTCATCTCCACCTCATCTTCGTC 217
QY      44 PheIleGly-----CysLeuSerValIleGluAsnGly-----Thr 55

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Db 218 TTCGGCGGCGAGGCTCCGGCATGCCCTTCAGAACGTCAGCGCGCGCGCCGACGACC 277
Qy 56 AspThrGlyLeuLeuGlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAla 75
Db 278 CCGGGCGGCGCTCATCGCGCGCGGTGGCGACCGCTTCGCGCTGTCGTGGCGGTGCG 337
Qy 76 ThrLeuGlyAsnIleSerGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeu 95
Db 338 GTGGCGGGAACATCTCCGGCGGCGACGTGAACCGCGCGGTGACCTTCGGCGCGCTTCGTG 397
Qy 96 IleGlyGlyLeuAsnLeuValMetLeuProTyrTrpValSerGlnLeuLeuGlyGly 115
Db 398 GCGCGCAACATCACCCTGTTCGAGGGCTCCTGTACTGGGTGGCGACGCTCCTGGGTCC 457
Qy 116 MetLeuGlyAlaAlaLeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSer 135
Db 458 ACCGTGGCGTGTCTCTGTCGCGC-----TTCGACGCGGC 493
Qy 136 GlyAlaAlaPheValThrValGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGlnGln 154
Db 494 GGGCAGGCGCACGGCACCTTCGGGCTGACGGCGGTGTCGTGTGGAGGCGCTGTCGTG 553
Qy 155 GluIleIleLeuThrThrLeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGlnLys 174
Db 554 GAGATCGTGATGACCTTCGGGTGTGTACAGGTGTACGGGTGTACGGCGGTGGACCCGAG 613
Qy 175 -----ThrLysGlyProLeuAlaProPheSerIleGlyPheAlaValThrValAspIle 192
Db 614 AAGGGCAGCGCTGGGCACCATCCGCCATTCGCATCGGCTTCATCGTGGGGCGCAACATC 673
Qy 193 LeuAlaGlyGlyProValSerGlyCysMetAsnProAlaArgAlaPheGlyProAla 212
Db 674 CTGGTGGGCGGCGCTTCGACGCGCGCTCCATGAACCGCGCGTGTCTTCGCGCGCGCC 733
Qy 213 ValValAlaAsnHisTrpAsnPheHisTrpIleTyrTrpLeuGlyProLeuLeuAlaGly 232
Db 734 CTGCTCAGCTGGAGTGGGGCTACCACTGAGTGGGTACTGGGTGCGGCCCTTCATCGCGGC 793
Qy 233 LeuLeuValGlyLeuLeu 238
Db 794 GGCCTCGCGCGCGTCATC 811

RESULT 12

US-09-372-422A-23
; Sequence 23, Application US/09372422A
; Patent No. 6313375

GENERAL INFORMATION:

; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23

; LENGTH: 1193

; TYPE: DNA

; ORGANISM: Zea mays

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (88)...(838)

US-09-372-422A-23

Alignment Scores:

Pred. No.:	1.8e-30	Length:	1193
Score:	345.00	Matches:	92
Percent Similarity:	53.28%	Conservative:	38
Best Local Similarity:	37.70%	Mismatches:	91
Query Match:	25.98%	Indels:	23
DB:	4	Gaps:	7

US-09-864-711-15 (1-255) x US-09-372-422A-23 (1-1193)

Qy 18 GlyArgTrpArgValSerTrpTyrGluArgPheValGln-----Pro 31
Db 90 GGTGAAGCTCGCATTCGGAAGCGTCGGGACTCTCTTCAGCGTCACCTCCATCAAGGGCGT 149
Qy 32 CysLeuValGluLeuLeuGlySerAlaLeuPheIleGlyCys-----47
Db 150 AGTGTGGCGAGTTTCATCGCACCTCTCTTCGCTTCGCGCGGTGGTTCGCGCATCGC 209
Qy 48 LeuSerVal-IleGluAsnGly-----ThrAspThrGlyLeuLeuGlnProAlaLe 64
Db 210 CTTGCGGCAACTGACGAATGGCGCGCGCTGACCTTCGGGACTGTTGGCGATCGCGGT 269
Qy 64 uAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHi 84
Db 270 GGGCAGCGGCTGGGCGCTTCGTGGGCTCTTCGTGGCGGACACCTTCGGGCGGCA 329
Qy 84 sPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsnLeuValMetLe 104
Db 330 CTTGAACCCCGCGGTGACGCTTCGGCTCGCGCGTGGCGCGCACATCACCTCTCACCGG 389
Qy 104 uLeuProTyrTrpValSerGlnLeuGlyGlyMetLeuGlyAlaAlaLeuAlaLysAl 124
Db 390 CTTCTTACTGGGTGGGCGGCTGCTGGGCGGTGCTGGGCGGTGCTGCTCTCAGGTT 449
Qy 124 aValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGl 144
Db 450 CGTGACCCACGCAAGGCCATC---CCGACCCACCGCGCTCTCGGCGCGCACCCGAGCT 506
Qy 144 uGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleIleLeuThrThrLeuLeuAlaLe 164
Db 507 GGAGGCGC-----GTGCTGTGAGATGCTCATACCTTCGCGCTCGCTA 551
Qy 164 uAlaValCysMetGlyAlaIleAsnGlnLys-----ThrLysGlyProLeuAlaProPh 182
Db 552 CACCGGTGACGCCACCGCGCGGACCCCAAGAGGCTCCCTCGCACCATCGCGCCAT 611
Qy 182 eSerIleGlyPheAlaValThrValAspIleLeuAlaGlyProValSerGlyGlyCy 202
Db 612 CGCCATCGGCTTCATCGTGGCGCGCAACATCTCCGCGCGGGGCGCTTCAGCGCGGCTC 671
Qy 202 sMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPheHisTr 222
Db 672 CATGAACCCCGCGCTCTTCGCGCGCGCGCTCGCGCGCGGCGGCGGCGCACTG 731
Qy 222 pIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIle---ArgCy 241
Db 732 GGTCTACTGGGTGCGGCGCGCTCATCGGCGGCGGACTCGTGGCGCTCTACGCGGCGGT 791
Qy 241 sPheIleGly 244
Db 792 CTTTCATCGGC 801

RESULT 13

US-09-372-422A-47
; Sequence 47, Application US/09372422A
; Patent No. 6313375

GENERAL INFORMATION:

; APPLICANT: Rudolf Jung
; APPLICANT: Francois Barrieu
; TITLE OF INVENTION: Maize Aquaporins and Uses Thereof
; FILE REFERENCE: 0919
; CURRENT APPLICATION NUMBER: US/09/372,422A
; CURRENT FILING DATE: 1999-08-11
; PRIOR APPLICATION NUMBER: US 60/098,692
; PRIOR FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 47

; LENGTH: 1100

; TYPE: DNA

; ORGANISM: Zea mays

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (94)...(835)

US-09-372-422A-47

Alignment Scores:

Pred. No.:	5,31e-30	Length:	1100
Score:	340.50	Matches:	93
Percent Similarity:	52.57%	Conservative:	40
Best Local Similarity:	36.76%	Mismatches:	91
Query Match:	25.64%	Indels:	31
DB:	4	Gaps:	7

US-09-864-711-15, (1-255) x US-09-372-422A-47 (1-1100)

QY	7	GlyAsnAspHisAlaGluProSerValGlyGly	-----ArgTrrArgValSerTrrp	24
Db	50	GGCCGAATACCTCAGAGGAGTGGGAGAGGGGGGAAAAAGATGGTGAAGCTCGCAT	109	
QY	25	TyrGluArgPheVal	-----GlnProCysLeuValGluLeu	36
Db	110	TTGGAAGCTTCCGCACTCTTTGAGCGCGCGTGGCTCAAGCCCTAT-GTGGCCGAGTTC	168	
QY	37	LeuGlySerAlaLeuPheIleGlyCysLeuSerValIleGluAsnGly	-----54	
Db	169	ATTGCCACGCTGCTCTTCGTGTCGCGCGGTGGTCCGCTTGCCTACTCGCAATTG	228	
QY	55	ThrAspThrGlyLeuLeuGlnPro	-----AlaLeuAlaHisGlyLeu	68
Db	229	ACGAAGGGCGGCTCTGAGCCCGCGCGCTGGTGGCCATCGCCATCGCCATCGTTC	288	
QY	69	AlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsnProAla	88	
Db	289	GGCTCTTCGTGGCTCTCCATGGCGGCAACATCTCGCGGCGCACTGAACCCGCC	348	
QY	89	ValSerLeuAlaAlaMetLeuIleGlyLeuAsnLeuValMetLeuLeuProTyrTr	108	
Db	349	GTACCTTC---GGCTCCCGCTCGCGGCGCACATCACATCTCCACCGCATCTCTACTG	405	
QY	108	pValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAlaLeuAlaLysAlaValSerProG	128	
Db	406	GGTTCGCCAGCTCTCGCGCTTCGCGCGCTTCCTCGCGAGTACGTCAC-CCACG	464	
QY	128	uGluArgPheThrAsnAlaSerGlyAlaAlaPheValThrValGlnGluGlnGlyGlnVa	148	
Db	465	GACAGCTATCCGACGCGCGCTCCGATCCGATCAGCGAGATCGAG-----510		
QY	148	lAlaGlyAlaLeuValAlaGluIleLeuThrThrLeuLeuAlaLeuAlaValCysMe	168	
Db	511	-----GGCGTGGTGATGGAGATCGTATCACCTTCGCGTGGTGTACACCGGTACGC	563	
QY	168	tglyAlaIleAsnGluLys-----ThrIysGlyProLeuAlaProPheSerIleGlyPh	186	
Db	564	CACCGCGCGCGAGAGAGGGTCCCTGGGACCATCGCGCCATCGCGCCATCGCGCTT	623	
QY	186	eAlaValThrValAspIleLeuAlaGlyProValSerGlyGlyCysMetAsnProAl	206	
Db	624	CATCGTCGCGCGCAACATCTCGCGCGCGCCCTTCAGCGGCGCTCCATGAACCCGCG	683	
QY	206	argAlaPheGlyProAlaValAlaAsnHisThrPheAsnHisThrIleTrrpLe	226	
Db	684	CCGCTCTTCGCGCGCGCGCTGGCGCGGGTAACTTCGCGCGCACTGGGTGTACTGGGT	743	
QY	226	uGlyProLeuAlaGlyLeuLeuValGlyLeuLeu	238	
Db	744	CGGCCCCCTCGTCGCGGTGGCTGGCGGGGTCTGTC	780	

RESULT 14

US-08-468-763-18

; Sequence 18, Application US/08468763

; Patent No. 5741671

; GENERAL INFORMATION:

; APPLICANT: Agre, Peter C.
; TITLE OF INVENTION: Isolation, Cloning and Expression of
; TITLE OF INVENTION: Transmembrane Water Channel Proteins
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Allegretti
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: D.C.
; COUNTRY: US
; ZIP: 20001

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/468,763

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/393,996

; FILING DATE: 24-FEB-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Posorske, Laurence H.

; REGISTRATION NUMBER: 34,696

; REFERENCE/DOCKET NUMBER: 1107,48633

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202 508-9100

; TELEFAX: 202 508-9299

; INFORMATION FOR SEQ ID NO: 18:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1442 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: unknown

; TOPOLOGY: unknown

; MOLECULE TYPE: cDNA

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 110...904

; US-08-468-763-18

Alignment Scores:

Pred. No.:	8,53e-28	Length:	1442
Score:	323.00	Matches:	77
Percent Similarity:	56.94%	Conservative:	46
Best Local Similarity:	35.65%	Mismatches:	83
Query Match:	24.32%	Indels:	10
DB:	1	Gaps:	6

US-09-864-711-15 (1-255) x US-08-468-763-18 (1-1442)

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Db	137	TTCTTCAAGCGGCTGTTCGACAGTTCCTGGCCACCTCATCTCTCTCTCTCTCTCTG	196
QY	48	LeuSerValIleGlu-----AsnGlyThrAspThrGlyLeuLeuGlnProAlaLeuAla	65
Db	197	GGCTCAGCACTCAAGTGGCCCTCGGCTCGCCACC-----ATTCTGAAATCTCAATTGCC	253
QY	66	HisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPhe	85
Db	254	TTTGGCTGGCCATAGGTACTTAGCCCAAGCTCTGGACCTCTGAGTGGTGGCCACATC	313
QY	86	AsnProAlaValSerIleAlaAlaMetLeuIleGlyGlyLeuAsnLeuValMetLeuLeu	105
Db	314	ATTCCAGCCATTACTCTGGCCCTCTTATAGAAACCAAGATCTCTGCTGCTCGAGCTGTC	373
QY	106	ProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAlaLeuAlaLysAlaVal	125
Db	374	TTCTAGCTGGCAGCCAGCTGGTGGCGGCAATTGCTGGGCGGAGGATCTCTGCTACTG	433
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Db 434 GCGCCA-----CTCAATGCGCGGCTCAACTGCGCGCTCAATGCGGTGAACAAC 481
Qy 146 GlyGlnValAlaGly---AlaLeuValAlaGluIleLeuThrLeuLeuAlaLeu 164
Db 482 AACACACAGCGCTGCGAGCCATGTTGGTGGAGTTAATCTTACCTTCCAGTAGCCCTC 541
Qy 165 AlaValCysMetGlyAlaLeuAenGluLysThrLysGlyProLeuAlaPro---PheSer 183
Db 542 TGCATCTTCTCCGCCACCGACTCTCGCGAACGAGCCCTGTGGGTCCCGCCCTTATCC 601
Qy 184 IleGlyPheAlaValThrValaPheIleLeuAlaGlyGlyProValSerGlyCysMet 203
Db 602 ATTGGCTGTCTGCTACACTGGGCCATCTGTGGGATCTACTTCCCGGCTGTTCCTCATG 661
Qy 204 AsnProAlaArgAlaPheGlyProAlaValAlaAenHisTrpAsn---PheHisTrp 222
Db 662 AACCCAGCCGATCTTTCGCGCTGCGGTGGTCATGAACCGGTTCAGCCCTCTCACTGG 721
Qy 223 IleTyTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeu 238
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RESULT 15

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US-08-393-996A-18
; Sequence 18, Application US/08393996A
; Patent No. 5858702
; GENERAL INFORMATION:
; APPLICANT: Agre, Peter C.
; TITLE OF INVENTION: Isolation, Cloning and Expression of
; TITLE OF INVENTION: Transmembrane Water Channel Proteins
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Allegretti
; STREET: 1001 G Street, N.W.
; CITY: Washington, D.C.
; STATE: D.C.
; COUNTRY: US
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/393,996A
; FILING DATE: 24-FEB-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Posorske, Laurence H.
; REGISTRATION NUMBER: 34,698
; REFERENCE/DOCKET NUMBER: 1107.48633
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 508-9100
; TELEFAX: 202 508-9299
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 110..904
US-08-393-996A-18

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Alignment Scores:
Pred. No.: 8,53e-28 Length: 1442
Score: 323.00 Matches: 77
Percent Similarity: 56.94% Conservative: 46
Best Local Similarity: 35.65% Mismatches: 83
Query Match: 24.32% Indels: 10

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Qy 48 LeuSerValIleGlu-----AsnGlyThrAspThrGlyLeuLeuGlnProAlaLeuAla 65
Db 197 GGCTCAGCACTCAAGTGGCCCTGCGCTGCGCCACC---ATTCTGCAATCTCAATTGCC 253
Qy 66 HisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyCysHisPhe 85
Db 254 TTTGGCCGTGGCCATAGGTACTTTCAGCCCAAGCTCTGGGACCTGTGGTGGTGGCCACATC 313
Qy 86 AsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsnLeuValMetLeuLeu 105
Db 314 AATCCAGCCATTACTCTGGCCCTCTTAATAGGAACACAGATCTGCTGCTCCGAGCTGTC 373
Qy 106 ProTyTrpValSerGlnLeuLeuGlyMetLeuGlyAlaAlaLeuAlaLysAlaVal 125
Db 374 TTCTAGCTGGCAGCCAGCTGTGGCGCCATTGCTGGCGCAGGCATCTCTGCTACTGGCTG 433
Qy 126 SerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheValThrValGlnGluGln 145
Db 434 GCGCCA-----CTCAATGCGCGGTAACTGGCGCTCAATGCGGTGAACAAC 481
Qy 146 GlyGlnValAlaGly---AlaLeuValAlaGluIleLeuThrLeuLeuAlaLeu 164
Db 482 AACACACAGCGCTGCGAGCCATGTTGGTGGAGTTAATCTTACCTTCCAGTAGCCCTC 541
Qy 165 AlaValCysMetGlyAlaLeuAenGluLysThrLysGlyProLeuAlaPro---PheSer 183
Db 542 TGCATCTTCTCCCGCACTCTCGCGAACGAGCCCTGTGGGTCCCGCCCTTATCC 601
Qy 184 IleGlyPheAlaValThrValaPheIleLeuAlaGlyGlyProValSerGlyCysMet 203
Db 602 ATTGGCTGTCTGCTACACTGGGCCATCTTGTGGGATCTACTTCCCGGCTGTTCCATG 661
Qy 204 AsnProAlaArgAlaPheGlyProAlaValAlaAenHisTrpAsn---PheHisTrp 222
Db 662 AACCCAGCCGATCTTTCGCGCTGCGGTGGTCATGAACCGGTTCAGCCCTCTCACTGG 721
Qy 223 IleTyTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeu 238
Db 722 GTCTTCTGGGTAGGCTTATTGTGGGGCCATGCTGGGGCCATCCTC 769

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Job time : 61.25 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: February 18, 2004, 19:03:41 ; Search time 263.804 Seconds
(without alignments)
3384.789 Million cell updates/sec

Title: US-09-864-711-15

Perfect score: 1328

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Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Delext 7.0

Searched: 2308684 seqs, 1750822206 residues

Total number of hits satisfying chosen parameters: 4617368

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

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Database : Published Applications NA:
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18: /cgn2_6/ptodata/2/pubpna/US50_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	1328	100.0	1312	14	US-10-396-943-5	Sequence 5, Appl
3	1328	100.0	1354	9	US-09-864-711-8	Sequence 8, Appl
4	1328	100.0	1354	14	US-10-396-943-2	Sequence 2, Appl
5	1324	99.7	1309	15	US-10-295-027-459	Sequence 459, App
6	1324	99.7	1314	14	US-10-216-408-15	Sequence 16, Appl
7	1324	99.7	1388	14	US-10-023-896-11	Sequence 11, Appl
8	1324	99.7	1410	9	US-09-925-299-67	Sequence 67, Appl
9	1324	99.7	1410	10	US-09-925-299-67	Sequence 67, Appl
10	1324	99.7	1410	14	US-10-023-896-40	Sequence 40, Appl
11	1324	99.7	1410	14	US-10-106-698-245	Sequence 245, App
12	1324	99.7	1712	14	US-10-106-698-1586	Sequence 1586, Ap
13	1302	98.0	1324	14	US-10-158-646-49	Sequence 49, Appl
14	524	39.5	318	10	US-09-803-719-2361	Sequence 2361, Ap
15	501	37.7	321	10	US-09-803-719-2362	Sequence 2362, Ap
16	466	35.1	314	10	US-09-803-719-2328	Sequence 2328, Ap
17	463	34.9	620	14	US-10-396-943-7	Sequence 7, Appl
18	455	34.3	269	14	US-10-216-408-6	Sequence 6, Appl
19	447	33.7	244	14	US-10-216-408-6	Sequence 6, Appl
20	434	32.7	321	14	US-09-803-719-2329	Sequence 2329, Ap
21	422	31.8	244	14	US-10-216-408-3	Sequence 3, Appl
22	418	31.5	257	14	US-10-216-408-4	Sequence 4, Appl
23	387	29.1	1235	12	US-10-424-599-71274	Sequence 71274, A
24	386	29.1	1035	9	US-09-770-445-183	Sequence 183, App
25	374	28.2	935	9	US-09-770-445-373	Sequence 373, App
26	372.5	28.0	759	9	US-09-887-576-810	Sequence 810, App
27	372.5	28.0	1051	15	US-10-260-238-4179	Sequence 4179, Ap
28	372.5	28.0	1202	12	US-10-424-599-45453	Sequence 45453, A
29	372	28.0	756	9	US-09-938-842A-2617	Sequence 2617, Ap
30	372	28.0	756	11	US-09-938-842A-2617	Sequence 2617, Ap
31	370.5	27.9	1159	12	US-10-424-599-48406	Sequence 48406, A
32	369	27.8	1190	12	US-10-424-599-45451	Sequence 45451, A
33	367.5	27.7	753	9	US-09-938-842A-482	Sequence 482, App
34	367.5	27.7	753	11	US-09-938-842A-482	Sequence 482, App
35	367.5	27.7	979	9	US-09-770-445-275	Sequence 275, App
36	366	27.6	279	14	US-10-396-943-8	Sequence 8, Appl
37	366	27.6	1008	15	US-10-310-154-238	Sequence 238, App
38	364	27.4	224	14	US-10-216-408-5	Sequence 5, Appl
39	362	27.3	1238	15	US-10-409-701-14	Sequence 14, Appl
40	361.5	27.2	753	9	US-09-938-842A-2633	Sequence 2633, Ap
41	361.5	27.2	753	11	US-09-938-842A-2633	Sequence 2633, Ap
42	359	27.0	947	9	US-09-887-576-442	Sequence 442, App
43	357.5	26.9	1140	12	US-10-424-599-142369	Sequence 142369, A
44	357	26.9	750	15	US-10-260-238-4748	Sequence 4748, Ap
45	357	26.9	750	15	US-10-260-238-4749	Sequence 4749, Ap

ALIGNMENTS

RESULT 1
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; Sequence 62, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W
; APPLICANT: Jones, David A
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 62
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1804734CB1
US-09-981-353-62

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Pred. No.: 1312

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Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	9	Gaps:	0

US-09-864-711-15 (1-255) x US-09-981-353-62 (1-1312)

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QY	21	ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla	40
Db	171	CGAGTGTCTGTGTACGACCGTTTGTGAGCGCATGTCTGGTCGACATGCTCGGGCTCTGCT	230
QY	41	LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu	60
Db	231	CTCTTCATCTTCATCGGTGGCTGTTCGGTTCATTAGAAATGGACGACACTGGGCTGCTG	290
QY	61	GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle	80
Db	291	CAGCGGCGCTGGCCCA CGGGCTGGCTTTGGGGCTCGTGATTGCCACGCTGGGGAATATC	350
QY	81	SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn	100
Db	351	AGTGTGGACACTTCAACCCCTCGGTGTCCCTGGCGAGCCATGCTGATCGGAGGCGCTCAAC	410
QY	101	LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla	120
Db	411	CTGGTGTAGTCTCTCCGTACTGGGTCTCAGAGTGTCTGGGGGGATGCTCGGGGTGGCC	470
QY	121	LeuAlaLysAlaValSerProGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal	140
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QY	141	ThrValGlnGluGlnGlyValAlaGlyAlaLeuValAlaGluIleIleLeuThrThr	160
Db	531	ACAGTCCAGAGCAGGGCAGGTGGCAGGGGCGTTGGTGGCAGAGATCATCTGACGACG	590
QY	161	LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrIysGlyProLeuAla	180
Db	591	CTGCTGGCCCTGGCTGTATGATGGTGTCCTCAATCAGAAAGACAAAGGGCCCTCTGGCC	650
QY	181	ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly	200
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Db	771	CACTGGATCTACTGCTGGGCCCACTCTCTGGCTGGCTGCTGTGTGGACGTGCTCATTAGG	830
QY	241	CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg	255
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RESISTANCE

US-10-396-943-5
; Sequence 5, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmueth, Wayne
; APPLICANT: Klinger, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906

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RESULT 3

US-09-864-711-8
; Sequence 8, Application US/09864711
; Patent No. US20020077309A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS FOR PANCREATIC DISORDERS
; FILE REFERENCE: PB-0008-1 CIP
; CURRENT APPLICATION NUMBER: US/09/864,711
; CURRENT FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PERL Program
; SEQ ID NO 8
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: 2774542CBI
US-09-864-711-8

Alignment Scores:
Pred. No.: 1,356-144 Length: 1354
Score: 1328.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-15 (1-255) x US-09-864-711-8 (1-1354)

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QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 208 CAGTGTCTCTGTACGACGGTTTGTGACGCAATCTGTGTGCAACTGCTGGTGGCTCTGCT 267
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
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QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 328 CAGCGGCGCTGGCCACGCGGCTGGCTTTGGGGCTCTGATTCGCCACGCTGGGGAATATC 387
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QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
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; Sequence 2, Application US/10396943
; Publication No. US20030158085A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Volkmut, Wayne
; APPLICANT: Klingler, Tod M.
; TITLE OF INVENTION: AQUAPORIN-8 VARIANT
; FILE REFERENCE: PC-0012 CIP
; CURRENT APPLICATION NUMBER: US/10/396,943
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US/09/610,906
; PRIOR FILING DATE: 2000-07-06
; PRIOR APPLICATION NUMBER: 09/226,994
; PRIOR FILING DATE: 1999-01-07
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 1354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030158085A1 2774542CBI
; PUBLICATION INFORMATION:
US-10-396-943-2

Alignment Scores:
Pred. No.: 1,356-144 Length: 1354
Score: 1328.00 Matches: 255
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-396-943-2 (1-1354)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrp 20
DB 148 ATGTGTGAGCCTGAATTTGGCAATGACAGGCGCAGGAGCCGAGCGTGGTGGCAGGTGG 207
QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 208 CAGTGTCTCTGTACGACGGTTTGTGACGCAATCTGTGTGCAACTGCTGGTGGCTCTGCT 267
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 268 CTCTTCATCTTCATCGGGTGCCTGTGGTCAATGAGATGGAGCGGAGCATCTGGGCTGTG 327
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 328 CAGCGGCGCTGGCCACGCGGCTGGCTTTGGGGCTCTGATTCGCCACGCTGGGGAATATC 387
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
DB 388 AGTGTGGACACTTCAACCTCGGTGCTCCCTGGCAGCATGCTGATCGAGGCTCTCAAC 447

QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 448 CTGGTGATGCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 507
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 508 TTGGCCAAAGCGGTGAGTCTGAGAGAGAGTTCTGGAATGCATCTGGGGCGGCTTTGTG 567
QY 141 ThrValGlnGluGlnGlnGlnValAlaGlyAlaLeuValAlaGluAlaLeuThrThr 160
Db 568 ACAGTCCAGAGCAGGGGAGGTGGCAGGGGGTGGTGGCAGAGATCATCTCGACGAG 627
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaAlaLeuAsnGluLeuThrGlyProLeuAla 180
Db 628 CTGCTGGCCCTGGCTGTATGATGGTGGCCTATCAATGAGAGACAAAGGGGCGCTTGCC 687
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 688 CCGTCTCCATCGCTTTGCCGTACCGTGGATATCTCGCTGGGGGCGCTGTGTCTGA 747
QY 201 GlyCysMetAsnProAlaAlaGalaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
Db 748 GGCTGCATGAATCCCGCCGCTGCTTTGGACCTGGCGTGGTGGCCCAACCACTGGAACTTC 807
QY 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
Db 808 CACTGGATCTATGGCTGGGCCCATCTCTGGCTGGCCCTGCTTTGTTGGACTGCTCATTAGG 867
QY 241 CysPheIleGlyAspGlyLysTrpArgLeuIleLeuLysAlaArg 255
Db 868 TGCTTCATGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 912

RESULT 5

US-10-295-027-459
; Sequence 459, Application US/10295027
; Publication No. US2003023250A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 60/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 459
; LENGTH: 1309
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-295-027-459
Alignment Scores:
Pred. No.: 3-77e-144 Length: 1309
Score: 1324.00 Matches: 254
Percent Similarity: 98.61% Conservative: 0
Best Local Similarity: 99.61% Mismatches: 1
Query Match: 99.70% Indels: 0
DB: 15 Gaps: 0

US-09-864-711-15 (1-255) x US-10-295-027-459 (1-1309)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTrp 20
Db 103 ATGTGTGAGCCCTGAATTTGGCAATGACAGGCCAGGAGCCGAGCGTGGTGGCAGGTGG 162
QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 163 CGAGTGTCTCTGTGACGACGGTTTGTGCAGCCATCTCTGGTCGAACTGCTGGGCTCTGCT 222
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 223 CTCTTCATCTTCATCGGGTGCTGTGGTTCATTGGAATGGACGACACTGGGCTGTGTG 282
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 283 CAGCCGGCCCTGGCCACGGGCTGGCTTTGGGGCTCGTGATTGCCACGCTGGGGAATATC 342
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAsn 100
Db 343 AGTGTGTGACACTTCAACCTCGCGTGTCTCTGGCAGCCATGCTGATCGGAGGCTCAAC 402
QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 403 CTGGTGTATGCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 462
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 463 TTGGCCAAAGCTGTGAGTCTCGAGAGAGGTCTTGGAAATGCATCTGGGGGCGCTTTGTG 522
QY 141 ThrValGlnGluGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 523 ACAGTCCAGAGCAGGGGAGGTGGCAGGGGGTGGTGGCAGAGATCATCTCGACGAGC 582
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrLysGlyProLeuAla 180
Db 583 CTGCTGGCCCTGGCTGTATGCATGGGTGCCATCAATGAGAAGACAAAGGGCCCTCTGGCC 642
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 643 CCGTCTCCATCGGCTTTGCCGTACCGTGGATATCTCGCTGGGGGCGCTGTGTCTGA 702
QY 201 GlyCysMetAsnProAlaAlaArgAlaPheGlyProAlaValValAlaAsnHisTrpAsnPhe 220
Db 703 GGCTGCATGAATCCCGCCGCTGCTTTGGACTGCTGGGTGGTGGCCCAACCACTGGAACTTC 762
QY 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
Db 763 CACTGGATCTACTGGTGGGGCCACTCTCTGGCTGGCTGCTGCTTTGTTGGACTGCTCTTAGG 822
QY 241 CysPheIleGlyAspGlyLysTrpArgLeuIleLeuLysAlaArg 255
Db 823 TGCTTCATGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 867

RESULT 6

US-10-216-408-16
; Sequence 16, Application US/10216408

Publication No. US20030013159A1
GENERAL INFORMATION:
APPLICANT: COHEN, MAURICE
COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
GRANADOS, EDWARD N.
KLASS, MICHAEL R.
RUSSELL, JOHN C.
STROUPE, STEVEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASE OF THE GASTROINTESTINAL
TRACT
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/216,408
FILING DATE: 09-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/959,634
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6188.US.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 1314 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-216-408-16
Alignment Scores:
Pred. No.: 3.79e-144 Length: 1314
Score: 1324.00 Matches: 254
Percent Similarity: 99.61% Conservative: 0
Best Local Similarity: 99.61% Mismatches: 1
Query Match: 99.70% Indels: 0
DB: 14 Gaps: 0
US-09-864-711-15 (1-255) x US-10-216-408-16 (1-1314)
QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTyr 20
Db 108 ATGTGTAGCTGCTGAATTTGGCAATGACAAAGCCAGGAGCGGAGCGTGGTGGCAGGTGG 167
QY 21 ArgValSerTyrTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 168 CGAGTGTCCTGTACGACGCTTTGTGACGCCATGCTGTGCGACTGCTGGGCTTGCT 227
QY 41 LeuPheLeuPheLeuGlyCysLeuSerValLeuGlnAsnGlyThrAspThrGlyLeuLeu 60
Db 228 CTCTTCATCTTCATCGGTGCTGCTGCTATTGAGAAATGGAGCGACACTGGGCTGCTG 287
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValLeuAlaThrLeuGlyAsnIle 80

Db 288 CAGCCGGCCCTGGCCACGCGCTGGCTTTGGGGTCTGATGGACGCTGGGAATATC 347
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetIleuIleGlyLeuAsn 100
Db 348 AGTGTGGACACTTCAACCCCTGCGGTGCTCTGGCAGCCATGCTGATCGAGGCTCAAC 407
QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 408 CTGGTGATGCTCTCCCTGCTACTGGGTCTCACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 467
QY 121 LeuAlaLysAlaValSerProGluGlnArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
Db 468 TTGGCCAAAGGCGGTGAGTCCCTGAGGAGAGGTCTCGAATGCATCTGGGGCGGCTTTGTG 527
QY 141 ThrValGlnGlnGlnGlyValAlaGlyAlaValAlaGlyAlaGlyLeuIleLeuThrThr 160
Db 528 ACAGTCCAGGAGCAGGCGGCGGTGGTGGCAGAGATCATCTGACGACG 587
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAlaGlnLysThrLysGlyProLeuAla 180
Db 588 CTGCTGGCCCTGGCTGTATGCATGGGTGCCATCAATGAGAAGACAAAGGCGCTTGGCC 647
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 648 CGTTCTCATCGGCTTTGGCGTCACTGGGTGATATCTGGTGGGGGGCTGTGTCTGGA 707
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaAsnHisTrpAsnPhe 220
Db 708 GGCTGCATGAATCCCGCCGCTTTTGGACCTCGCGTGGTGGCAACCACTGGAACCTTC 767
QY 221 HisTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuValGlyLeuLeuIleArg 240
Db 768 CACTGATCTACTGCTGGGCGCACTCTGCTGGCTGCTGCTGTGTGGACTGCTCATTAGG 827
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 828 TGCCTTCATGGAGATGGGAGAGCCCGCTCATCTCGAAGCTCGG 872

RESULT 7

US-10-023-896-11
; Sequence 11, Application US/10023896
; Publication No. US2003002776A1
; GENERAL INFORMATION:
; APPLICANT: Victor Roschke
; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
; FILE REFERENCE: PA004PL
; CURRENT APPLICATION NUMBER: US/10/023,896
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: unassigned
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: PCT/US00/23794
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152,296
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/158,003
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 1388
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1388) (1388)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-023-896-11

Alignment Scores:
Pred. No.: 4.08e-144 Length: 1388
Score: 1324.00 Matches: 254
Percent Similarity: 100.00% Conservative: 1

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-864-711-15 (1-255) x US-10-023-896-11 (1-1388)

Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 14 Gaps: 0

Alignment Scores:
Pred. No.: 4,17e-144 Length: 1410
Score: 1324.00 Matches: 254
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-15 (1-255) x US-09-925-299-67 (1-1410)
QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTyr 20
DB 128 ATGTGTGAGCCTGAATTTGGCAATGACAAAGGCGAGGAGCCGAGCGTGGTGGCAGGTGG 187
QY 21 ArgValSerTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
DB 188 CGAGTGTCTCTGTACGAACGGTTTGTGACAGCCATGCTGTGGTCGAACCTCTGGGCTCTGCT 247
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 248 CTCTTCATCTTCATCGGTGCTGTGCGGTCAATGAGAAATGGACGAGCACTGGGCTGTGTG 307
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 308 CAGCGGCGCTGGCCACAGGCTGGCTTTGGGCTCGTGAATGGCCACCTGGGGAATATC 367
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
DB 368 AGTGTGTGACACTTCAACCTCGGTGCTCCCTGGCAGCCATGCTGATCGGAGGCTCAAC 427
QY 101 LeuValMetLeuLeuProTyrTyrValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 428 CTGGTATGCTCTCCCGTACTGGGTCTCACAGCTGCTGGGGGATGCTCGGGGCTGCC 487
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTyrAsnAlaSerGlyAlaAlaPheVal 140
DB 488 TTGGCCAAAGCGGTGAGTCTCTGAGGAGAGGTTCTGGAATGCATCTGGGGGCTTTGTG 547
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
DB 548 ACAGTCCAGGAGCAGGCGGAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCGACGACG 607
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrLysGlyProLeuAla 180
DB 608 CTGCTGGCCCTGGCTGTATGCAATGGGTGCTCATCATGAGAGACAAAGGCGCTCTGCC 667
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 668 CCGTTCTCCATCGCTTTGCCGTACCGTGGATATCTCGCTGGGGGCTCTGTGTGGA 727
QY 201 GlyCysMetAsnProAlaAlaPheGlyProAlaValAlaAlaAsnHisTyrAsnPhe 220
DB 728 GGCTGCATGAATCCCGCCGCTGCTTTGGACCTGGGTGGTGGCCAAACCATCTGGAACCTTC 787
QY 221 HistTyrTyrTyrLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
DB 788 CACTGGATCTACTGGCTGGGCGCACCTCTGTGGCTGGCTGTGTTGGACTGCTCATTAGG 847
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 848 TGCTTCATTGGAGATGGGAAGACCCCGCTCATCTCTGAAGGCTCAG 892

RESULT 8
US-09-925-299-67
; Sequence 67, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-299-67

Alignment Scores:
Pred. No.: 4,17e-144 Length: 1410
Score: 1324.00 Matches: 254
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 9 Gaps: 0

US-09-864-711-15 (1-255) x US-09-925-299-67 (1-1410)
QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyGlyArgTyr 20
DB 119 ATGTGTGAGCCTGAATTTGGCAATGACAAAGGCGAGGAGCCGAGCGTGGTGGCAGGTGG 178
QY 21 ArgValSerTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
DB 179 CGAGTGTCTCTGTACGAACGGTTTGTGACAGCCATGCTGTGGTCGAACCTCTGGCTCTGCT 238
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 239 CTCTTCATCTTCATCGGTGCTGTGCGTCAATGAGAAATGGACGAGCACTGGGCTGTGTG 298
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 299 CAGCGGCGCTGGCCACAGGCTGGCTTTGGGCTCGTGAATGCCACGCTGGGGAATATC 358
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
DB 359 AGTGTGTGACACTTCAACCTCGGTGCTCCCTGGCAGCCATGCTGATCGAGGCTCAAC 418
QY 101 LeuValMetLeuLeuProTyrTyrValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
DB 419 CTGGTATGCTCTCCCGTACTGGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTGCC 478
QY 121 LeuAlaIleAlaValSerProGluGluArgPheTyrAsnAlaSerGlyAlaAlaPheVal 140
DB 479 TTGGCCAAAGCGGTGAGTCTCTGAGGAGAGTTCCTGGAATGCATCTGGGGGCTCTTGTG 538
QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
DB 539 ACAGTCCAGGAGCAGGCGGAGGTGGCAGGGGCTTGGTGGCAGAGATCATCTCGACGACG 598
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrLysGlyProLeuAla 180
DB 599 CTGCTGGCCCTGGCTGTATGCAATGGGTGCCATCAATGAGAGACAAAGGCGCTCTGGCC 658
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 659 CCGTTCTCCATCGCTTTGCCGTACCGTGGATATCTCTGGCTGGGGGCTCTGTGTGGA 718
QY 201 GlyCysMetAsnProAlaAlaPheGlyProAlaValAlaAlaAsnHisTyrAsnPhe 220
DB 719 GGCTGCATGAATCCCGCCGCTGTTTGGACCTGGGTGGTGGCCAAACCATCTGGAACCTTC 778
QY 221 HistTyrTyrTyrLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
DB 779 CACTGGATCTACTGGCTGGGCGCACCTCTGGCTGGCTGTGTTGGACTGCTCATTAGG 838
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 839 TGCTTCATTGGAGATGGGAAGACCCCGCTCATCTCTGAAGGCTCAG 883

RESULT 9
US-09-925-299-67
; Sequence 67, Application US/09925299
; Publication No. US20030040617A9
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; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-925-299-67

Alignment Scores:
Pred. No.: 4,17e-144 Length: 1410
Score: 1324.00 Matches: 254
Percent Similarity: 100.00% Conservatives: 1
Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-15 (1-255) x US-09-925-299-67 (1-1410)

QY 1 MetCysGluProGluPheGlyAsnAspIysAlaArgGluProSerValGlyArgTrp 20
DB 119 ATGTGTGACGCTGAATTTGGCAATGACAGGCGGAGCGGAGCGTGGTGGCAGGTGG 178
QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 179 CGAGTGTCTCTGTACGAACGGTTTGTGCAGCCATCTCTGGTCCGAGCTCTGCT 238
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 239 CTCTTCATCTTTCATCGGTGCTCTGCGTCAATGAGATGGAGCGACACTGGGCTGTG 298
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 299 CAGCCGGCCCTGGCCACCGGCTGTGGGCTGCTGATGCCACCGCTGGGGAATATC 358
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
DB 359 AGTGTGTGACACTTTCACCCCTCGGTGCTTGGGCTGCTGATGCCAGGCTCTCAAC 418
QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAla 120
DB 419 CTGGTGATCTCTCTCCGCTACTGCGTCTACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 478
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
DB 479 TGTGTGATGATCTCTCTCCGCTACTGCGTCTACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 478
QY 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuLeuThr 160
DB 539 ACAGTCCAGGACGAGGCGGAGGTGGCGGGGCTTGTGGTGGCAGAGATCATCTCCACGACG 598
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrLysGlyProLeuAla 180
DB 599 CTGTGTGGCCCTGGCTGTATGATGGGTCCATCATGAGAGACAAAGGGCCCTCTGGCC 658
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 659 CGGTCTCTCATCGGCTTTGCCCTCAACCTGGATATCTCTGGTGGGGGCTGTGTCTGGA 718
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTrpAsnPhe 220
DB 719 GCGTGTGATGAATCCCGCCGCTCTTTGGACCTGGGGTGGTGGCCCAACCACTGAACATTC 778
QY 221 HistTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
DB 779 CACTGGATCTACTGGCTGGGCCACCTCTGGTGGCTCTCTTGTGGACTCTCATAGG 838
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 839 TGCTTTCATTGGAGATGGGAAGACCCCGCTCATCTCTGAAGGCTCAG 883

RESULT 10
US-10-023-896-40
; Sequence 40, Application US/10023896
; Publication No. US2003002776A1
; GENERAL INFORMATION:
; APPLICANT: Victor Roschke
; TITLE OF INVENTION: 29 Human Cancer Associated Proteins
; FILE REFERENCE: PA004P1
; CURRENT APPLICATION NUMBER: US/10/023,896
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: unassigned
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: PCT/US00/23794
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152,296
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/158,003
; PRIOR FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40
; LENGTH: 1410
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-023-896-40

Alignment Scores:
Pred. No.: 4,17e-144 Length: 1410
Score: 1324.00 Matches: 254
Percent Similarity: 100.00% Conservatives: 1
Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-023-896-40 (1-1410)

QY 1 MetCysGluProGluPheGlyAsnAspIysAlaArgGluProSerValGlyArgTrp 20
DB 119 ATGTGTGACGCTGAATTTGGCAATGACAGGCGGAGCGGAGCGTGGTGGCAGGTGG 178
QY 21 ArgValSerTrpTyrGluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
DB 179 CGAGTGTCTCTGTACGAACGGTTTGTGCAGCCATCTCTGGTCCGAGCTCTGCT 238
QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
DB 239 CTCTTCATCTTTCATCGGTGCTCTGCGTCAATGAGATGGAGCGACACTGGGCTGTG 298
QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
DB 299 CAGCCGGCCCTGGCCACCGGCTGTGGGCTGCTGATGCCACCGCTGGGGAATATC 358
QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
DB 359 AGTGTGTGACACTTTCACCCCTCGGTGCTTGGGCTGCTGATGCCAGGCTCTCAAC 418
QY 101 LeuValMetLeuLeuProTyrTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAla 120
DB 419 CTGGTGATCTCTCTCCGCTACTGCGTCTACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 478
QY 121 LeuAlaLeuAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
DB 479 TGTGTGATGATCTCTCTCCGCTACTGCGTCTACAGCTGCTCGGGGGGATGCTCGGGGCTGCC 478
QY 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuLeuThr 160
DB 539 ACAGTCCAGGACGAGGCGGAGGTGGCGGGGCTTGTGGTGGCAGAGATCATCTCCACGACG 598
QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLeuThrLysGlyProLeuAla 180
DB 599 CTGTGTGGCCCTGGCTGTATGATGGGTCCATCATGAGAGACAAAGGGCCCTCTGGCC 658
QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
DB 659 CGGTCTCTCATCGGCTTTGCCCTCAACCTGGATATCTCTGGTGGGGGCTGTGTCTGGA 718
QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValValAlaAsnHisTrpAsnPhe 220
DB 719 GCGTGTGATGAATCCCGCCGCTCTTTGGACCTGGGGTGGTGGCCCAACCACTGAACATTC 778
QY 221 HistTrpIleTyrTrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
DB 779 CACTGGATCTACTGGCTGGGCCACCTCTGGTGGCTCTCTTGTGGACTCTCATAGG 838
QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
DB 839 TGCTTTCATTGGAGATGGGAAGACCCCGCTCATCTCTGAAGGCTCAG 883
```

Db 539 ACAGTCACGAGCAGGCGGAGGTGGCGGGGCTGGTGGCAGAGATCATCTCGACGACG 598
 QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluYsThrLysGlyProLeuAla 180
 Db 599 CTGCTGGCCCTGGCTGTATGATGATGGTGCCCATCATGAGAGACAAAGGGGCCCTCTGGCC 658
 QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
 Db 659 CCGTCTCCATCGGCTTTGCCGTACCGCTGGATATCTCTGGCTGGGGGCCCTGTCTCGGA 718
 QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
 Db 719 GCGTCATGATGATCCCGCCGCTGCTTTGGACCTGGCGGTGGCCACCATCGAATCTC 778
 QY 221 HistTrpIleYrTrpLeuGlyProLeuAlaGlyLeuLeuValGlyLeuLeuArg 240
 Db 779 CACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGCCCTGCTGTGGACTGCTCATTAGG 838
 QY 241 CysPheIleGlyAspGlyYsThrArgLeuIleLeuAlaArg 255
 Db 839 TGCCTTATTGGAGATGGGAGACCCGCTCATCTCGAAGGCTCAG 893

RESULT 11

US-10-106-698-245
 ; Sequence 245, Application US/10106698
 ; Publication No. US20030109690A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
 ; FILE REFERENCE: PA005P1
 ; CURRENT APPLICATION NUMBER: US/10/106,698
 ; CURRENT FILING DATE: 2002-03-27
 ; PRIOR APPLICATION NUMBER: PCT/US00/26524
 ; PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US 60/157,137
 ; PRIOR FILING DATE: 1999-09-29
 ; PRIOR APPLICATION NUMBER: US 60/163,280
 ; PRIOR FILING DATE: 1999-11-03
 ; NUMBER OF SEQ ID NOS: 8564
 ; SOFTWARE: PatentIn Ver. 3.0
 ; SEQ ID NO 245
 ; LENGTH: 1410
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-106-698-245

Alignment Scores:
 Pred. No.: 4,17e-144 Length: 1410
 Score: 1324.00 Matches: 254
 Percent Similarity: 100.00% Conservative: 1
 Best Local Similarity: 99.61% Mismatches: 0
 Query Match: 99.70% Indels: 0
 DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-106-698-245 (1-1410)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaArgGluProSerValGlyArgTrp 20
 Db 119 ATGTGTGAGCTGAATTTGGCAATGACAAGGCCAGGAGCGGCTGGTGGCAGGTGG 178
 QY 21 ArgValSerTrpTyrluArgPheValGlnProCysLeuValGluLeuGlySerAla 40
 Db 179 CGAGTGTCTCTGGTACGAAACGGTTTGGCAGCATGCTGTGCGAATCTGTGGGCTCTGCT 238
 QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
 Db 239 CTTCTCATCTTCATCGGTGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 298
 QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
 Db 299 CAGCCGCGCCCTGGCCACGCGGTGGCTTTGGGCGCTGCTGATTTGCCACGCTGGGGAATATC 358
 QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100

Db 359 AGTGTGGACACATTCAACCCCTCGGTGTCCCTGGCGAGCATCTCATCGAGGCGCTCAAC 418
 QY 101 LeuValMetLeuLeuProTyrlTrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
 Db 419 CTGGTGATGCTCTCTCCGTTACTGGGTCTCAACAGCTGCTCGGGGGAGATGCTTGGGGCTGCC 478
 QY 121 LeuAlaLysAlaValSerProGluGluArgPheTrpAsnAlaSerGlyAlaAlaPheVal 140
 Db 479 TTGGCCAAAGGCGTGAGTCTCTGAGGAGAGGTTCTCGAATGCAATCTGGGGCGGCTTTGTG 538
 QY 141 ThrValGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
 Db 539 ACAGTCCAGAGCAGGCGGAGGTGGCGGGGCTTGGTGGCAGAGATCATCTGACGACG 598
 QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluYsThrLysGlyProLeuAla 180
 Db 599 CTGCTGGCCCTGGCTGTATGATGGGTGCATCAATGAGAAGACAAAGGGGCCCTCTGGCC 658
 QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyProValSerGly 200
 Db 659 CCGTCTCCATCGGCTTTGGCGTCCCGTGGATATCTCTGGCTGGGGGCCCTGTGTCTGGA 718
 QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrpAsnPhe 220
 Db 719 GCGTCATGATGATCCCGCCGCTGCTTTGGACCTGGCGGTGGCCACCATCGAATCTC 778
 QY 221 HistTrpIleYrTrpLeuGlyProLeuAlaGlyLeuLeuValGlyLeuLeuArg 240
 Db 779 CACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGCCCTGCTGTGGACTGCTCATTAGG 838
 QY 241 CysPheIleGlyAspGlyYsThrArgLeuIleLeuAlaArg 255
 Db 839 TGCCTTATTGGAGATGGGAGACCCGCTCATCTCGAAGGCTCAG 893

RESULT 12

US-10-106-698-1986
 ; Sequence 1986, Application US/10106698
 ; Publication No. US20030109690A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruben et al.
 ; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
 ; FILE REFERENCE: PA005P1
 ; CURRENT APPLICATION NUMBER: US/10/106,698
 ; CURRENT FILING DATE: 2002-03-27
 ; PRIOR APPLICATION NUMBER: PCT/US00/26524
 ; PRIOR FILING DATE: 2000-09-28
 ; PRIOR APPLICATION NUMBER: US 60/157,137
 ; PRIOR FILING DATE: 1999-09-29
 ; PRIOR APPLICATION NUMBER: US 60/163,280
 ; PRIOR FILING DATE: 1999-11-03
 ; NUMBER OF SEQ ID NOS: 8564
 ; SOFTWARE: PatentIn Ver. 3.0
 ; SEQ ID NO 1986
 ; LENGTH: 1712
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: (1688)..(1688)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (1692)..(1692)
 ; OTHER INFORMATION: n equals a,t,g, or c
 ; NAME/KEY: misc feature
 ; LOCATION: (1697)..(1697)
 ; OTHER INFORMATION: n equals a,t,g, or c
 US-10-106-698-1986

Alignment Scores:
 Pred. No.: 5,44e-144 Length: 1712
 Score: 1324.00 Matches: 254
 Percent Similarity: 100.00% Conservative: 1

```
Best Local Similarity: 99.61% Mismatches: 0
Query Match: 99.70% Indels: 0
DB: 14 Gaps: 0

US-09-864-711-15 (1-255) x US-10-106-698-1986 (1-1712)

QY 1 MetCysGluProGluPheGlyAsnAspLysAlaAArgGluProSerValGlyArgTrrp 20
Db 396 ATGTGTGAGCTTAAATTTGGCAATGACAAAGGCCAGGAGCCGAGCGTGGGTGGCAGGTGG 455

QY 21 ArgValSerTrrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 456 CGAGTGTCTGTGTACGACGGTTTGGCAGCCATGCTGTGTGCAACTGCTGGGCTCTGCT 515

QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 516 CTCCTTCATCTTCATCGGGTGCCTGCTGCTCAATGAGATGGAGCGACACCTGGCTGTGTG 575

QY 61 GlnProAlaLeuAlaHisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnIle 80
Db 576 CAGCGCGCCCTGGCCACCGGCTGGCTTTGGGGCTCGTGTATGGCCAGCTGGGGATATC 635

QY 81 SerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyLeuAsn 100
Db 636 AGTGTGTGACACTTCAACCTCGGGTGCCTGGCGAGCCATGCTGATCGAGGCTCAAC 695

QY 101 LeuValMetLeuLeuProTrrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 696 CTGGTGATGCTCTCCCGTACTGGGTCTCACAGCTGCTGGGGGATGCTCGGGCTGCC 755

QY 121 LeuAlaLysAlaValSerProGluArgPheTrrpAsnAlaSerGlyAlaAlaPheVal 140
Db 756 TTGGCCACGCGTGTAGTCTTCAGAGAGAGTTCTGGAATGCATCTGGGGCGGCTTTGTG 815

QY 141 ThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 816 ACAGTCCAGAGCAGGGGAGTGGCGAGGGGCTGGTGGCAGAGATCATCTGACGACG 875

QY 161 LeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
Db 876 CTGCTGGCCCTGGCTGTATGCTGGTGCATCATGAGACAAAGGGCCCTCTGGCC 935

QY 181 ProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerGly 200
Db 936 CGGTCTTCATCGGCTTGGCTTCACCGTGGATATCTCTGGCTGGGGGCCCTGTGTCTGA 995

QY 201 GlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAsnHisTrrpAsnPhe 220
Db 996 GGCTGATGAATCCCGCCGCTGCTTTGACCTGCGGTGGTGGCGCAACCACTGGAACCTTC 1055

QY 221 HistripIleTrrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleArg 240
Db 1056 CACTGGATCTACTGGCTGGGCCCACTCTGCTGGCTGGCTGCTGTGTGGACTGCTCATTAGG 1115

QY 241 CysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 1116 TGCCTTCATTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCAG 1160
```

RESULT 13

```
US-10-158-646-49
; Sequence 49, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy K.W.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; PRIOR APPLICATION NUMBER: 2002-05-29
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
```

```
; SEQ ID NO 49
; LENGTH: 1324
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030073105A1 201901.4
US-10-158-646-49
```

Alignment Scores:

```
Pred. No.: 1,39e-141 Length: 1324
Score: 1302.00 Matches: 255
Percent Similarity: 99.22% Conservative: 0
Best Local Similarity: 99.22% Mismatches: 0
Query Match: 98.04% Indels: 2
DB: 14 Gaps: 0
```

US-09-864-711-15 (1-255) x US-10-158-646-49 (1-1324)

```
QY 1 MetCysGluProGluPheGlyAsnAspLysAlaAArgGluProSerValGlyArgTrrp 20
Db 116 ATGTGTGAGCTTAAATTTGGCAATGACAAAGGCCAGGAGCCGAGCGTGGGTGGCAGGTGG 175

QY 21 ArgValSerTrrpTyrGluArgPheValGlnProCysLeuValGluLeuLeuGlySerAla 40
Db 176 CGAGTGTCTGTGTACGACGGTTTGGCAGCCATGCTGTGTGCAACTGCTGGGCTCTGCT 235

QY 41 LeuPheIlePheIleGlyCysLeuSerValIleGluAsnGlyThrAspThrGlyLeuLeu 60
Db 236 CTCTTCATCTTCATCGGGTGCCTGCTCGGTCAITGAGATGGAGCGACACTGGGCTGTCTG 295

QY 61 GlnProAla-LeuAla-HisGlyLeuAlaLeuGlyLeuValIleAlaThrLeuGlyAsnI 80
Db 296 CAGCCGGCCCTGGCCCGGCTGGCTTTGGGGCTCGTGAATGCGACACTGGGGAATA 355

QY 80 LeSerGlyGlyHisPheAsnProAlaValSerLeuAlaAlaMetLeuIleGlyGlyLeuAla 100
Db 356 TCAGTGTGGACACTTCAACCTGCGGTGCTCTGGCAGCCATGCTGATCGAGAGCCCTCA 415

QY 100 snLeuValMetLeuLeuProTrrpValSerGlnLeuLeuGlyGlyMetLeuGlyAlaAla 120
Db 416 ACCTGGTGATGCTCTCCGCTACTCGGTCTCACAGCTGCTCGGGGGATGCTCGGGGCTG 475

QY 120 laLeuAlaLysAlaValSerProGluArgPheTrrpAsnAlaSerGlyAlaAlaPheVal 140
Db 476 CCTTGGCCAGGCGGTGAGTCTTGAGGAGAGGTTCTGGAATGCATCTGGGGCGGCTTTG 535

QY 140 alThrValGlnGluGlnGlyGlnValAlaGlyAlaLeuValAlaGluIleLeuThrThr 160
Db 536 TGACAGTCCAGAGCAGGGGCGAGTGGCAGGGGCGCTTGGTGGCAGAGATCATCTCTGACGA 595

QY 160 hrLeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThrLysGlyProLeuAla 180
Db 596 CGCTGTGCTGGCTTGTGTATGATGATGGGTGGCCATCAATGAGAGACAAGGGCCCTCTGG 655

QY 180 laProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGlyGlyProValSerG 200
Db 656 CCGCGTTCCTCATCGGCTTTGGCGTCCAGGAGATATCTGCTGGCTGGGGCGGCTGTGTCTG 715

QY 200 lyGlyCysMetAsnProAlaArgAlaPheGlyProAlaValAlaAlaHisTrrpAsnP 220
Db 716 GAGGTGTCATGAATCCCGCCGCTGCTTTGGACCTGCGGTGGTGGCCAAACCACTGGAAC 775

QY 220 heHistripIleTrrpLeuGlyProLeuLeuAlaGlyLeuLeuValGlyLeuLeuIleAla 240
Db 776 TCCACTGGATCTACTGGCTGGGCCCACTCTCTGGCTGGGCTGCTGTGTGTGACTGTCTCATA 835

QY 240 rgCysPheIleGlyAspGlyLysThrArgLeuIleLeuLysAlaArg 255
Db 836 GGTGTCTTCATTGGAGATGGGAAGACCCGCTCATCTCTGAAGGCTCGG 882
```

RESULT 14

US-09-803-719-2361

Sequence 2361, Application US/09803719
Publication No. US20030044783A1
GENERAL INFORMATION:
APPLICANT: Williams, Lewis T.
APPLICANT: Escobedo, Jaime A.
APPLICANT: Innis, Michael A.
APPLICANT: Garcia, Pablo Dominiguez
APPLICANT: Sudduth-Klinger, Julie
APPLICANT: Reinhard, Christoph
APPLICANT: Giese, Klaus
APPLICANT: Randazzo, Filippo
APPLICANT: Kennedy, Giulia C.
APPLICANT: Pot, David
APPLICANT: Kassam, Altaf
APPLICANT: Lamson, George
APPLICANT: Drmanac, Radoje
APPLICANT: Crkvenjakov, Radomir
APPLICANT: Dickson, Mark
APPLICANT: Labat, Ivan
APPLICANT: Snezana
APPLICANT: Leshkowitz, Den
APPLICANT: Kita, David
APPLICANT: Garcia, Veronica
APPLICANT: Jones, Lee William
APPLICANT: Stache-Crain, Birgit
TITLE OF INVENTION: Human Genes and Gene Products
FILE REFERENCE: 1624.002
CURRENT APPLICATION NUMBER: US/09/803,719
CURRENT FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/188,609
PRIOR FILING DATE: 2000-03-09
NUMBER OF SEQ ID NOS: 2396
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2361
LENGTH: 318
TYPE: DNA
ORGANISM: Homo sapiens
US-09-803-719-2361

Alignment Scores:
Pred. No.: 6,75e-52 Length: 318
Score: 524.00 Matches: 103
Percent Similarity: 98.10% Conservative: 0
Best Local Similarity: 98.10% Mismatches: 2
Query Match: 39.46% Indels: 0
DB: 10 Gaps: 0

US-09-864-711-15 (1-255) x US-09-803-719-2361 (1-318)

QY	116	MetLeuGlyAlaAlaLeuAlaValSerProGluGluArgPheTrpAsnAlaSer	135
Db	2	ATGCTCGGGGCTGCTTGCCCAAGCGGTGAGTCTGAGGAGAGGTTCTGGAAATGCATCT	61
QY	136	GlyAlaAlaPheValThrValGlnGlnGlnGlnGlnValAlaGlyAlaLeuValAlaGlu	155
Db	62	GGGGGGGGCTTTGTGACATGCAGAGCAGGGGCGAGGTGGCAGGGGGCTTGGTGGCAGAG	121
QY	156	IleIleLeuThrThrLeuLeuAlaLeuAlaValCysMetGlyAlaIleAsnGluLysThr	175
Db	122	ATCATCTTGACACACTGCTGGCCCTGGCTGTATGATGCATGGGTGCCATCAATGAGAGACA	181
QY	176	LysGlyProLeuAlaProPheSerIleGlyPheAlaValThrValAspIleLeuAlaGly	195
Db	182	AAGGGCCCTCTGCGCCCGCTTCTCCATCGGCTTTGCGGTGACCGGGATATCCTGGCTGGG	241
QY	196	GlyProValSerGlyGlyCysMetAsnProAlaArgAlaPheGlyProAlaValAla	215
Db	242	GGCCCTGTGTCTGGAGGCTGCATGATCCCGCCCGTGTCTTTTGGACCTGCGGGGGTGCC	301
QY	216	AsnHisTrpAsnPhe	220
Db	302	AACCACTGGAACCTTT	316

RESULT 15
US-09-803-719-2362
Sequence 2362, Application US/09803719
Publication No. US20030044783A1
GENERAL INFORMATION:
APPLICANT: Williams, Lewis T.
APPLICANT: Escobedo, Jaime A.
APPLICANT: Innis, Michael A.
APPLICANT: Garcia, Pablo Dominiguez
APPLICANT: Sudduth-Klinger, Julie
APPLICANT: Reinhard, Christoph
APPLICANT: Giese, Klaus
APPLICANT: Randazzo, Filippo
APPLICANT: Kennedy, Giulia C.
APPLICANT: Pot, David
APPLICANT: Kassam, Altaf
APPLICANT: Drmanac, Radoje
APPLICANT: Crkvenjakov, Radomir
APPLICANT: Dickson, Mark
APPLICANT: Labat, Ivan
APPLICANT: Snezana
APPLICANT: Leshkowitz, Den
APPLICANT: Kita, David
APPLICANT: Garcia, Veronica
APPLICANT: Jones, Lee William
APPLICANT: Stache-Crain, Birgit
TITLE OF INVENTION: Human Genes and Gene Products
FILE REFERENCE: 1624.002
CURRENT APPLICATION NUMBER: US/09/803,719
CURRENT FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/188,609
PRIOR FILING DATE: 2000-03-09
NUMBER OF SEQ ID NOS: 2396
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2362
LENGTH: 321
TYPE: DNA
ORGANISM: Homo sapiens
US-09-803-719-2362

Alignment Scores:
Pred. No.: 3,25e-49 Length: 321
Score: 501.00 Matches: 104
Percent Similarity: 97.20% Conservative: 0
Best Local Similarity: 97.20% Mismatches: 3
Query Match: 37.73% Indels: 1
DB: 10 Gaps: 0

QY	30	GlnProCysLeuValGluLeuLeuGlySerAlaLeuPheIlePheIleGlyCysLeuSer	49
Db	1	CAGCCATGCTGTGCGAACTGCTGGGCTCTGCTCTTCATCTTCATCGGGTGCCTGTCG	60
QY	50	ValIleGluAsnGlyThrAspThrGlyLeuLeuGlnProAlaLeuAlaHisGlyLeuAla	69
Db	61	GTCAATCAG-AATGGAGCGACACTGGGCTGCTGCAGACGGCCCTGGCCACGGGCTGGCT	119
QY	70	LeuGlyLeuValIleAlaThrLeuGlyAsnIleSerGlyGlyHisPheAsnProAlaVal	89
Db	120	TTGGGGCTCGTGTGATTTGCCACGCTGGGGATATCATGTGTGGACACTTCACCTGGGTCG	179
QY	90	SerLeuAlaAlaMetLeuIleGlyLeuAsnLeuValMetLeuLeuProTyrTrpVal	109
Db	180	TCCCTGGCAGCCATGCTGATCGAGGCTCAACCTGGTGTGATGCTCTCCCGTACTGGGTC	239
QY	110	SerGlnLeuLeuGlyGlyMetLeuGlyAlaAlaLeuAlaValSerProGluGlu	129
Db	240	TCACAGCTCTCGGGGGGATGCTCGGGGCTGCTTTGGCCAGGGGCTGAGTCTTCGAGGAG	299
QY	130	ArgPheTrpAsnAlaSerGly	136

Db 300 AGGCTCTGGAGTCATCTGGG 320

Search completed: February 18, 2004, 21:50:35
Job time : 270.804 secs